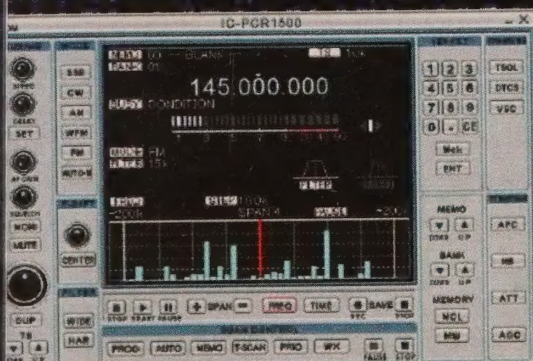
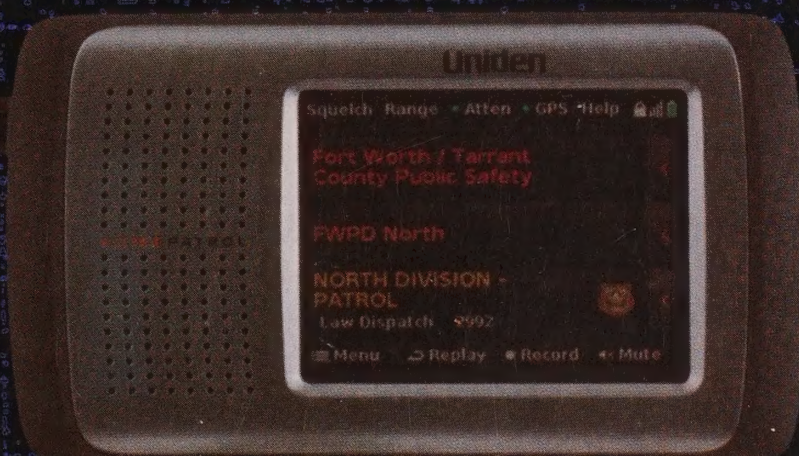


GROVE

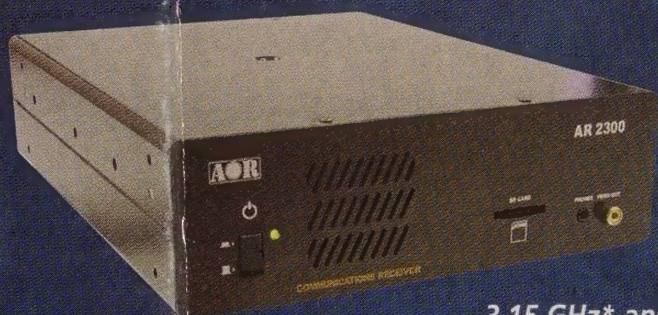
GOING DIGITAL JUST GOT A
WHOLE LOT EASIER



2010-2011

A special supplement to Monitoring Times

AOR Presents Two New Wide Coverage Professional Grade Communications Receivers



AR2300 "Black Box" receiver

It's a new generation of software controlled black box receivers! Available in professional and consumer versions, the AR2300 covers 40 KHz to 3.15 GHz* and monitors up to three channels simultaneously.

Fast Fourier Transform algorithms provide a very fast and high level of signal processing, allowing the receiver to scan through large frequency segments quickly and accurately. All functions can be controlled through a PC running Windows XP or higher. Advanced signal detection capabilities can find hidden transmitters. An optional external IP control unit enables the AR2300 to be fully controlled from a remote location and send received signals to the control point via the internet. It can also be used for unattended long-term monitoring by an internal SD audio recorder or spectrum recording with optional AR-IQ software for laboratory signal analysis.

AR5001D performs with accuracy, sensitivity and speed

Developed to meet the monitoring needs of security professionals and government agencies, the AR5001D features ultra-wide frequency coverage from 40 KHz to 3.15 GHz*, in 1Hz steps with 1ppm accuracy and no interruptions. Up to three channels can be monitored simultaneously. Fast Fourier Transform algorithms provide a very fast and high level of digital signal processing, allowing the receiver to scan through large frequency segments quickly and accurately. Controlled through a PC running Windows XP or higher, it is available in both professional and consumer versions. With its popular analog signal meter and large easy-to-read digital spectrum display, the AR5001D is destined to extend the legend of the AR5000A+3.



The exceptional performance of both these wide coverage professional grade receivers makes them perfect for use by federal, state and local law enforcement agencies, the military, emergency managers, diplomatic service, news-gathering operations, and home monitoring enthusiasts.



Authority on Radio
Communications

AOR U.S.A., Inc.
20655 S. Western Ave., Suite 112, Torrance, CA 90501, USA
Tel: 310-787-8615 Fax: 310-787-8619
info@aorusa.com <http://www.aorusa.com>

*Cellular blocked for US consumer version. Unblocked version available to qualified purchasers with documentation. Specifications subject to change without notice or obligation.

*The Serious Choice in
Advanced Technology
Receivers*

Thirty years ago, I made the big leap from being a dedicated, public school science teacher to starting my own business. My passion was monitoring the radio spectrum – public safety, international broadcasting, ham radio, government/military communications, aircraft, spy numbers transmissions, satellites, ships at sea – the works!

It was a bold move, but it seemed that the time was right. My reputation as a technical writer had been established, and readers of my regular columns in major electronic periodicals were mailing me a deluge of questions that demanded the publication of a dedicated monitoring periodical.

Monitoring Times magazine and the Scanner Beam antenna were born about the same time, and they have definitely reached adulthood! And along with the success of these efforts we have witnessed a gradual evolution of radio equipment from traditional analog designs to modern digital architecture.

This year we have watched the successful introduction of at least two major, cutting edge products: Uniden's HomePatrol scanner and WiNRADiO's G31DDC Excalibur. These are exciting products, and it seems that the economic slump has done nothing to discourage serious listeners from ordering these two innovative products.

As discouraging as the slow global economic recovery is, we are seeing day-to-day improvements in equipment sales and *Monitoring Times* print and electronic subscriptions. *MTXtra* is offering more and more exclusive services unavailable elsewhere.

While we try to include as many products as possible in this year's print catalog, a visit to our website (www.grove-ent.com) will reveal many new products and far more information than was possible to include in print, and a visit to *Monitoring*

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Times' website (www.monitoringtimes.com) is your gateway to enormous amounts of listening information.

As the science of electronic communications continues to grow, Grove and MT will be at your side.

Bob & Judy Grove

GOVERNMENT, MILITARY, and
PROFESSIONAL
CLIENTS

Our web site is the primary source of information for our many government and professional clients. Full-frequency-coverage scanning receivers, high-end reception equipment, accessories, test equipment, and other products for eligible agencies will be found at www.grove-ent.com.

• Due to rapidly-fluctuating changes in the international economy, printed prices are subject to change without notice.

RECEIVERS

ICOM R-1500 Mobile/Base Receiver

This receiver covers from 0.01 to 3299.999MHz (less cellular on consumer model) in all modes (0.495-1300MHz only in SSB and CW modes) and versatile functions such as multi-channel monitor, band-scope and IF shift function support efficient and effective reception. PC connection with the USB cable is possible to allow PC interface operation, if desired.

FEATURES

Wideband receiver: 0.01-3299.999MHz (less cellular on consumer model) in all modes (0.495-1300MHz only in SSB and CW modes). 1Hz fine tuning resolution is available in all bands. When connected to a PC, all functions are controllable from mouse click or keyboard input.

Ultra wideband coverage: The IC-R1500 is a PC control receiver and all functions are controllable from mouse click or keyboard. It covers 0.01 to 3299.999MHz (less cellular on consumer model) in AM, FM and WFM modes and also covers 0.495 to 1300MHz* in SSB and CW modes.

USB cable connection: The USB cable provides higher data transmission and quick response. It is also possible to transfer the received audio to the connected PC via the cable and allow you to hear from the PC speakers or record the sound on the PC.

Multi channel monitor function: Up to 25 channel activities can be observed on the multi-channel monitor screen at a glance. According to the S-meter level, each channel status is visually displayed by three background colors. When you click a busy channel, you can easily start listening to the selected channel.

Remote controller head: The IC-R1500 is supplied with remote control head for mobile or base station use. Green, amber and yellow backlit color are selectable allowing the user visual enjoyment to compliment their listening.



**Order RCV25
Only \$629.95**

Government agencies order RCV25-G

ICOM R-2500 Mobile/Base Receiver

Dual watch capability The IC-R2500 has dual watch receive capability*1, allowing you to receive two bands simultaneously. It covers 0.01-3299.999 MHz (less cellular on consumer model) in AM, FM, WFM, SSB, CW, DV*2 and P25*3 modes on the main receiver, while the sub-receiver covers 50-1300MHz in AM, FM and WFM modes*4.

*1 Two antennas are required for dual watch receive.

*2 Optional UT-118 required.

*3 Optional UT-122 required.

*4 Frequency range differs depending on version.



Diversity receive capability The diversity receive* mode is useful for mobile operation where the received signal changes continuously. It compares the signal strength and chooses the antenna with the better signal to maintain good sound

and receive quality. * Two antennas are required. Available in FM/DV/P25 mode between 50- 1300MHz only. Diversity reception is not available while using dual watch.

Wide LCD display for independent band control The wide LCD display shows both main/sub receiver settings in an easy-to-read symmetric side-by-side layout. The controller provides separate tuning, volume, squelch knobs and function buttons for the left (Main) and right (Sub) receivers. The LCD backlit color is selectable between amber and green for your preference.

Digital mode reception The optional UT-118 D-STAR digital unit and UT-122* P25 digital unit provide the latest digital mode reception. Catch the action in digital communications!

1000 alphanumeric memory channels With Icom's Dynamic Memory Scan, DMS, you have a versatile memory channel management system at your command. The 1000 memory channels can be arranged by service or personal preference in the 21 memory banks. Selectively link the channels together to scan depending on your needs.

Suggested Accessories:

ACC16 - ICOM UT-106 DSP Unit	\$139.95
CBL12 - ICOM OPC-441 Speaker Extension Cable	\$27.95
DCC12 - ICOM CP-12L DC Power Cord	\$29.95
ACC07 - ICOM UT-122 P-25 digital unit	\$219.95

**Order RCV52
Only \$899.95**

Government agencies order RCV52-G Only \$999.95

7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200

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Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

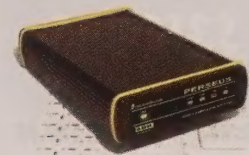
PERSEUS SDR

Measuring only 4-1/4"W x 1-1/2"H x 7-1/4"D, and weighing a mere 13 ounces, the software-defined Perseus is high-performance, 0.39 uV sensitivity, 10 kHz-30 MHz, all-mode communications receiver with +31 dBm IP3, 100+ dB dynamic range, and 90 dB image rejection for overload immunity.

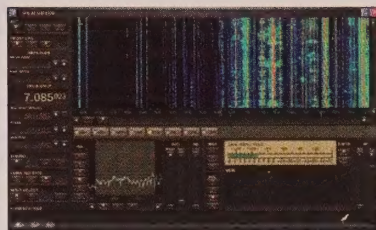
It features a lab-grade spectrum analyzer function with a span of up to 800 kHz (1600 kHz software upgrade expected soon) and a resolution bandwidth adjustable from 0.4-800 kHz. Optional frequency extenders for VHF and UHF are being released as well.

Other spectrum-displaying receivers show signals pop up on your spectrum display, then disappear before you can tune them in. But like the powerful surveillance receivers used by government and military intelligence agencies, the Perseus can actually perform pre-detection recording, saving to your hard drive all the signals in a swath of spectrum in real time for you to tune, monitor and analyze later with the Perseus advanced software!

Ideal for broadcast and utility DXing, SETI research, contesting, propagation studies, SIGINT and serious signals surveillance as well.



Its 14 bit 80 MS/s A/D converter, high-performance FPGA-based down-converter, and high-speed 480 Mb/s USB2.0 PC interface operate under Windows 2000, XP, or Vista. Audio is via the PC soundcard or on-board audio. A universal 120/240 VAC 50/60 wall adaptor is included. The antenna connector is a BNC.



Order RCV57
Only \$1199.00

ICOM R-75

FEATURES

- DSP (Digital Signal Processing) The IC-R75 is capable of AF-DSP with a factory installed DSP plug-in module. It offers noise reduction, and auto notch filter capabilities.
- Coverage: 0.03 - 60 MHz (0.1-29.99 and 50-54 MHz guaranteed)
- Modes: AM, S-AM, FM, USB, LSB, CW, RTTY
- Triple conversion superheterodyne receiver
- The IC-R75 sports cutting edge technology for today's serious DX'er, yet it is easy and affordable enough for casual listener use.
- Get PC control of the IC-R75 with optional RS-R75 software on CD ROM. Runs on Windows® 95; or Windows® 98 and comes with the necessary connection cable.
- With its superior dynamic range of >104 dB, twin passband tuning (PBT) controls, and a large front mounted speaker, the IC-R75 offers unparalleled receive quality.
- Selectable RF gain/squelch control / Attenuator / 1 Hz tuning resolution / 2 level preamp / Selectable AGC / Three timer functions: sleep, power OFF, power ON / Noise blanker / Single touch controls / 12 V DC Power (120 V AC adapter included) / Voice synthesizer (optional)

Supplied Accessories: AC adapter cable or DC power cable (depending on version), Spare fuse

Suggested Accessories:

ANT08 - Par Shortwave Antenna \$74.95
ANT15 - LF Engineering H-800 Skymatch Active Antenna ... \$149.00
ANT27 - LF Engineering H-900 Gain Probe Antenna..... \$189.00
SFT24 - ICOM RS-R75 Remote Control Software \$64.95
SPK08 - ICOM SP-23 base speaker \$194.95



Order RCV32
Only \$669.95

AOR AR5001D

The long-standing, highly-respected AR5000 has been replaced by the new AR5001D. Is there really much difference?

You bet there is – the AR5001D is like an AR5000 on steroids! With an expected availability in second quarter of 2010, the new AR5001D has exceptional performance.

Just look at these preliminary specifications:

- Extended frequency coverage: 40 kHz – 3150 MHz (3.15 GHz)
- High sensitivity: 0.3 uV sensitivity, 25 – 2400 MHz (SSB)
- Razor-sharp selectivity: 0.5 kHz CW, 3 kHz SSB, 6 kHz AM, 15/200 kHz FM
- Selectable IF bandwidths: 0.2, 0.5, 1, 3, 6, 15, 30, 100, 300 kHz
- High intermod rejection: +20 dBm (14.1 MHz) IP3
- Rock-solid frequency stability: 1 ppm, -18 to +144 degrees F. (0.01 ppm with optional GPS unit)
- Large memory storage: 2000 channels in 40 banks
- Wide IF output: 45 MHz, 20 MHz span for external spectrum display
- Computer controllability: USB interconnect



Order RCV68
Only \$3899.95

Government agencies order RCV68-G Only \$3899.95

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Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

AOR AR2300 BLACK-BOX RECEIVER

- Signal detection
- Signal search in frequency and memory scan mode
- Spectrum occupancy and on-the-air monitoring
- Coverage and field-strength check
- Signal and spectrum analysis through optional I/Q software



Applications may include:

- Monitoring and storage of up to 2000 frequencies, receiving modes, antenna port, attenuator settings, constant monitoring of one frequency or scanning of selected frequencies.
- Searching a frequency range with freely selectable start and stop frequencies and step widths of 0.01 kHz (10Hz) to 999.99 kHz.
- Detection of undesired emissions including pulsed emissions.
- Detection of unlicensed transmitters communicating illegally or interfering with licensed transmission.
- Protection against eavesdropping by detecting miniature transmitters (bugs)
- Monitoring of one's own radio transmissions in a service band and monitoring of selected transmissions.
- Remote-controlled operation via an optional LAN controller.

Order RCV60
Only \$3199.95

Government agencies order RCV60-G, only \$3299.95

AOR 8600 MkII

Wideband, compact, multimode—all in one versatile package! Redesigned for improved sensitivity, dynamic range, internal rejection and audio quality. The AR8600 Mk II covers 100 kHz to 3000 MHz (less cellular on consumer models), and can be used mobile, base, or trans-portable. All-mode receive capability is combined with enormous operational flexibility, including computer control capability.

- Frequency coverage 100 kHz-3000 MHz no gaps (Cellular blocked)
- All-mode reception of AM (wide and narrow), FM (wide, narrow, and super-narrow), USB, LSB, CW
- High-stability TCXO-SSB with true carrier re-insertion
- Versatile band scope with save-trace facility, Twin frequency readout with bar signal meter
- Improved front end with VHF preselection
- Detachable MW bar aerial
- On/off display dimmer
- Tuning steps programmable in multiples of 50 Hz in all modes
- Noise limiter & attenuator
- Write protect & keypad lock
- Programmable scan & search
- RS232 computer socket, Flash-ROM memory (no battery required)
- Slot card sockets for AOR accessory upgrades

Order RCV11
Only \$919.95

Government agencies order RCV11-G

Suggested Accessories:

ACC22 - AOR P25-8600 APCO 25 Decoder	\$178.95
ACC24 - CT8200 CTCSS decoder	\$94.95
ACC25 - TE8200 tone eliminator	\$54.95
ACC27 - EM8200 extended memory card	\$74.95
ADP09 - F to BNC adaptor	\$2.99
ANT39 - AOR SA7000 Base/Portable Ant.	\$229.95
BRK01 - Mobile Mounting Bracket MM8600	\$94.95
DCC01 - DC8600 DC cigarette lighter cable	\$12.95
FTR02DS - Collins Mechanical Filter (2.5kHz)	\$109.00
FTR04DS - Collins Mechanical Filter (6.0kHz)	\$109.00
PWR01 - AOR AA8600 AC Power Supply	\$43.00

Not sure which radio is right for you? Go to www.grove-ent.com to see our comparative specification charts!

Grundig G3 Shortwave Portable



Measuring only 6-1/2" x 4", this PLL-stabilized, dual-conversion powerhouse covers AM broadcast through 30 MHz, and FM (stereo with included earphones!) with fine-tuned SSB reception as well! Store your favorite frequencies in 700 memory channels with alpha identification; use the digital clock with world zone settings for timing and alarm. Display is backlit for night viewing. Direct-entry keypad assures accurate frequency selection; tune continuously with the adjustment knob, or press the auto-search key to scan or step manually. Includes AC adaptor for continual use or to recharge your NiMH batteries (not included); accepts AA alkalines as well! Handy, durable leatherette pouch included.

Order RCV65
Only \$149.95

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Eton S350DL Deluxe SW Portable

This professionally-styled portable provides great reception at a rock-bottom price! Measuring 13" by 7" and sporting a gutsy 4" speaker, the superior audio is contoured by separate bass and treble controls. Output jacks are provided for line-level stereo output to your sound system. Frequency coverage of AM, FM and 3-28 MHz shortwave is accomplished by concentric fast-and slow-tuning knobs. Sharp selectivity separates those closely-



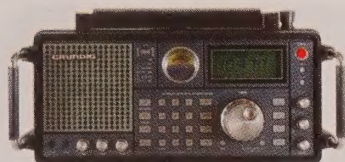
spaced stations! Powered by your choice of AA or D cells (and an AC wall adaptor is included), the S350DL sports a clock alarm, large backlit frequency display, telescoping whip, internal AM ferrite antenna, and external antenna connections for long-distance FM and SW reception.

Order RCV04
Only \$99.95

Grundig Satellit 750

AM/FM-Stereo/Shortwave/Aircraft Band Radio with SSB (Single Side Band)

When you want full shortwave capabilities and a classic design, choose the Satellit 750. A 360-degree rotating AM antenna enhances the radio's ability to pull in weak AM signals. You can listen to AM, FM, SW, LW, SSB and aircraft band frequencies, and you can program in up to 100 of your favorites for each band. You can also connect your MP3 player for even more listening choices. Hear what you want to hear.



Order RCV58
Only \$299.95

Kaito KA801

This radio gives you high quality sound and excellent reception. AM/FM/SW bands with an mp3 Player and voice recorder for taking notes in an instant! It records from radio stations too. It's the smallest radio combined with all these features all in one. Don't miss your favorite radio show, the KA801 will record it and play it back for you with ease.

Supplied Accessories:

- AC/DC 4.5V/200mA Adaptor
- User manual
- Earphones
- User manual
- Built in back stand

Order RCV61
Only \$79.95



Kaito 1121

Single sideband and dual-conversion technology compares to the best portables on the market. Cutting-edge technology combines an MP3 recorder/player with a multiband receiver for 10 hours of high quality recording--hundreds of songs! Plug in any audio out and play on this amplified speaker for the device like iPod or MP3 players. All seven NOAA weather channels are clearly receivable. Program station names and frequencies from a .txt file and load it into the radio's memory

A smart rechargeable system is included for rechargeable batteries which operate the radio and the MP3 device.



Order RCV37
Only \$149.95

Kaito KA-1103

Kaito's latest entry into the multiband portable market may look like an analog-dial radio, but it's actually a precision PLL circuit with 1 kHz steps and digital LCD readout! It tunes 76-108 MHz FM and also continuous 522-29900 kHz AM and shortwave—and it has infinite clarifying SSB as well!

This powerful, dual-conversion portable also has 190 memory channels (10 pages of 19) + 1 page for SSB to store your favorite stations, and runs off 4 Ni-MH AA rechargeable batteries (included) and AC; an automatic charger/adaptor is provided.



Order RCV55
Only \$89.95

GRUNDIG G6 AVIATOR

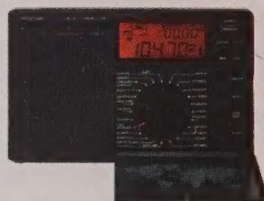


AM/FM-stereo/Aircraft Band (117-137 MHz) and LW-Shortwave (150-29999 KHz) / Dual conversion / Digital tuning with digital frequency readout (LCD) / 700 memories with 4 character page naming / Full-featured world time zone: clock, sleep timer / Dimensions: 4.92" x 3" x 1.14" (W x H x D) / Weight: 7.3 oz., 207 g / **Accessories:** owner's manual, warranty card, AC adaptor, ear buds, protective pouch

Order RCV59
Only \$99.95

GRUNDIG G8 TRAVELER

The Grundig G8 Traveler II covers longwave, medium wave, Shortwave and FM bands. Shortwave coverage is: 3190-3450, 3850-4050, 4700-5100, 5700-6300, 7080-7600, 9200-10000, 11450-12200, 13500-13900, 15000-15900, 17450-17900, 18850-19100 and 21430-21950 kHz. The G8 has an Analog Circuit with Digital display. It features a 24-hour clock with alarm that can wake you to a buzzer or to your favorite radio station. Other features include: key lock function, Backlit display (momentary on), fast or slow tuning, longwave disable function, daylight savings time adjust and 9 or 10 kHz AM band step. There is also an extensive Memory system that may be filled manually or automatically (ATS). The capacity is: 100 FM, 100 AM, 100 longwave and 200 shortwave frequencies. There is a built in ferrite bar antenna for longwave and medium and a telescopic whip for FM and shortwave. This radio even employs DSP-Digital Signal Processing to improve reception.

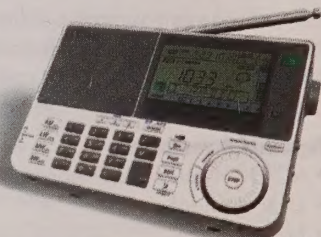


Order DS-G8
Only \$49.95

Sangean ATS909X

- 406 Presets (FM 3 Pages: 27 Presets / LW 1 page: 9 Presets / MW 2 Pages: 18 Presets / SW 39 Pages: 351 Presets) + 1 Priority Preset
- Five Tuning Methods: Direct Frequency Tuning, Auto Scan, Manual Tuning, Memory Recall and Rotary Tuning
- ATS (Auto Tuning System) Auto Scan and Preset Priority Signal Strength in FM / MW / LW Bands
- FM RDS / RBDS with PS, PTY, RT and CT Features
- DSP IF Decoder
- Large LCD Screen with Bright White LED Backlight
- Automatically Searches for Strongest Signal Station within SW Station Pages
- Alarm: Radio or HWS (Humane Wake System) Buzzer

Expected availability October, 2010.



Order RCV67
Only \$259.95

Sangean ATS505P

Sangean's most recent ATS505P is a dual-conversion portable with continuous coverage from 150 kHz-30 MHz as well as 88-108 MHz FM (stereo with earbuds, included), with AM and USB/LSB reception, and even includes an AC power supply and reel antenna. 45 scannable memories allow automatic sampling of saved frequencies, while auto preset determines which signals are the strongest for reception. Frequencies may be entered directly with the keypad, or continuously adjusted with the tuning dial.

Illuminated display shows frequency, 12/24 hour time, adjustable sleep/timer offers gradually-increasing alarm level; entire panel may be locked out to prevent misadjustments.



Order RCV07
Only \$109.95

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AOR SDU5600

The AOR SDU5600 is a compact LCD spectrum display unit for spotting and capturing brief transmissions within 10 MHz of the tuned frequency. Designed as a companion for the AR 5000+3 receiver, the SDU 5600 can also be used with any receiver with an IF output between 6-15 MHz. Functions include step size selection for direct channel sampling, and continuous spectrum mode (with choices of peak, max, average). On-screen support is provided for AR5000, AR5000+3, AR3000A, ICOM® IC-R7100, IC-R8500, IC-R9000 and "Others."

- High resolution 5 inch color TFT display
Graphics are clear, crisp and sharp.
- Built-in "waterfall" display function
- FFT signal processing and analysis
- DSP
- Wide input level range: 0 ~ -90dBm
- High dynamic range: 60 dB



Order TST10DS
Only \$1,499.95

Supplied with: DB-9 male control cable, BNC patch cable for IF connection, manual, 120V AC adaptor

"I really enjoy the digital MT -- it gives me a chance to peek at it even when I'm on the air blabbing about nothing :-) The guests, of course, think I'm reading up on them. Oh, well :-)

Keep up the good work...I still soak up MT even after four decades in the hobby and equipment the Smithsonian would covet....."

- John R.

WIFI RADIO

Now you can listen to more than 16,000 streaming radio stations from around the world! Famous networks like the BBC and NPR; international shortwave stations; talk show and music broadcasters of every imaginable kind; even scanner traffic like police, fire and EMTs from metropolitan action centers! Simply plug any of these units into your Internet phone line, or invisibly join your wireless network from anywhere in your home or office—no computer needed.

SANGEAN WFR-1 AND WFR-20 WiFi INTERNET RADIO

The Sangean WFR-1 offers the ultimate in Internet Radio listening. Load your favorite stations into memory; play your MP3 music files through its high-quality stereo system; listen to virtually every music mode from around the globe; monitor police communications, fire emergencies, even aircraft communications as more and more become available—all in clear, static-free sound!

- High Quality Full Range 3" Stereo Speakers in Acoustically Designed Wooden Cabinet
- Stereo Headphone Jack
- FM tuner with RDS (**RCV56 only**)
- Aux In/Line Out
- Remote Control
- 12.7 W x 4.2 H x 8.2 D, Weight: 6.4 lbs.

RCV56 - \$299.95
RCV40 - \$249.95 (No FM)



GRACE WIFI RADIOS



- Headphone Speaker Output: 15mW
- 9.75 (L) x 5.25 (D) x 5.75 (H) in. Weight: 4.59 lbs

GDI-IR1000 - \$174.95

All the fine features of the IR1000 plus full-function remote control, external audio input, stereo interconnect cable for your home stereo system.

GDI-IR2000 - \$194.95



- FM tuner
- Battery or AC power
- Wireless remote
- Headphone Speaker Output: MAX: 1mW
- 6.75(W) x 3.75(D) x 4(H) in. Weight: 2.2lbs

GDI-IRP600 - \$194.95



All the fine features of the IR2000 plus an iPod/iPhone dock and ethernet port. Modernistically styled; 11" wide.

DS-IR3020 - \$239.95

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SCANNERS

HAND-HELD BASE/MOBILE WIDE FREQUENCY COVERAGE

THE NEW UNIDEN HOMEPATROL! BREAKTHROUGH TECHNOLOGY!

The most astounding advance in scanner technology since digital reception now self loads at any location in the U.S. or Canada! Simply enter a zip code or city name or even attach your GPS receiver for automatic loading of police, sheriff, fire, ambulances, highway patrol, and more!

No more touchy banks, systems, groups, or even frequency entry (unless you want to). A large (3-1/2") color touch screen responds to your commands and reads out information you need.

Monitor conventional trunked radio systems, analog or P25 digital, and AM or FM modes for CB, aircraft, hams, public safety, business, government, and military communications in the 25-54, 108-512, 758-960 MHz ranges (less cellular).

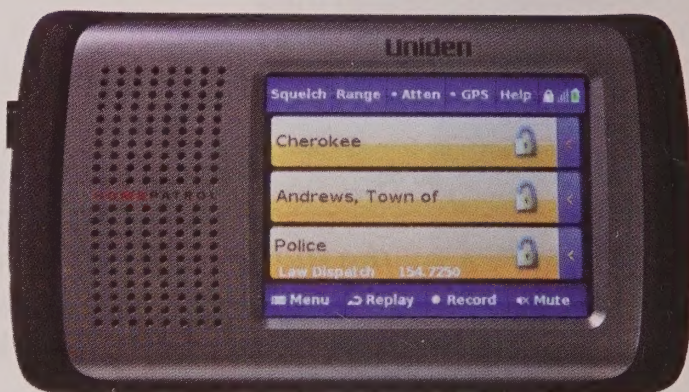
Get online updates with the USB port. Record up to 4 minutes of received messages. Select the S.A.M.E. emergency weather alarm for vital bulletins in your area.

Measuring only 5-1/2"W x 3-1/4"H x 1-3/8"D and weighing 15.9 ounces with batteries and antenna, this compact, feature-packed scanner is suitable for fixed, mobile, or portable applications.

- Automatically loads frequencies for any U.S. or Canadian location! Simply enter a zip code or city name – or let your GPS do it!
- Easy capture of conventional and trunked radio systems, analog and P25 digital, AM and FM modes for CB, aircraft, hams, public safety, business, government, and military communications!
- Wide frequency coverage: 25-54, 108-512, 758-960 MHz (less cellular)!
- Large color touch screen responds to your commands and reads out the information you want!
- Records up to four minutes of received messages!
- S.A.M.E. emergency alarm for vital NOAA weather bulletins!
- Compact and lightweight for fixed, mobile, and portable applications.
- Computer control: USB for PC updates and audio feed (cable included), RS232 for GPS control
- Power required: 9 volts
- Dimensions: 5-1/2"W x 3-1/4"H x 1-3/8"D
- Weight: 15.9 ounces with battery and antenna, 10.8 ounces without

Accessories included: Flex antenna; AC adapter/charger, car mount adapter, desk Stand; USB cable; 4 NiMH rechargeable batteries (AA); quick reference guide.

Limited availability due to high demand!



**Order SCN55
Only \$499.95**

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Uniden BCD-996XT Mobile Trunking Scanner

TrunkTracker IV with Control-Channel Only scanning and I-Call monitoring: Tracks voice traffic on P25, Motorola, EDACS, and LTR Trunked systems / APCO25 Digital Audio decoding / Support for P25 Conventional channels that include NAC and TGID user differentiation (P25 One-Frequency Trunk) / EDACS ESK support / Close Call RF Capture / Coverage: 25.0000 - 512.0000, 758.0000 - 823.9875, 849.0125 - 868.9875, 894.0125 - 960.0000, 1240.0000 - 1300.0000 MHz

Suggested Accessories:

ANT50 - Procomm CD144MBN Mobile Antenna \$19.95
SFT19 - Scancat Lite \$29.95
CBL14 - Uniden USB-1 USB Cable \$24.95
DCC03 - DC to DC Universal Adaptor \$12.95



Order SCN21
Only \$499.95

Uniden BCD396XT Handheld Trunk Tracker

TrunkTracker IV with Control-Channel Only scanning and I-Call monitoring: Tracks voice traffic on P25, Motorola, EDACS, and LTR Trunked systems / APCO25 Digital Audio decoding / Support for P25 Conventional channels that include NAC and TGID user differentiation (P25 One-Frequency Trunk) / EDACS ESK support / Close Call RF Capture / Coverage: 25.0000 - 512.0000, 758.0000 - 823.9875, 849.0125 - 868.9875, 894.0125 - 960.0000, 1240.0000 - 1300.0000 MHz

Suggested Accessories:

CAS09 - Nylon Case for BC396T \$19.95
CAS13 - Hard leather case w/ swivel clip \$29.95
CAS14 - Hard Leather Case w/ belt loop \$19.95
CBL14 - Uniden USB-1 USB Cable \$24.95
ANT50 - Procomm CD144MBN Mobile Antenna ... \$19.95
DCC03 - DC to DC Universal Adaptor \$12.95
DCC19 - Uniden UA-72 DC Power Cord \$19.95

Motorola® Astro®, SMARTNET®, SMARTZONE®, and PRIVACY PLUS®, M/A-COM Private Radio Systems Inc. EDACS® Wide, Narrow, and SCAT, and E.F. Johnson Co. LTR systems.



Order SCN53
Only \$499.95

"I have been a Monitoring Times subscriber since the 1980's, when the magazine was a newspaper-type publication. I still subscribe and am an avid SWL'er, along with being an Amateur Extra Class, KN0F. I occasionally give shortwave lectures at local radio clubs and schools, and recommend your publications every chance I get, as I feel they are very up-to-date and accurate. I have ordered other products from Grove in past years and found the service to be excellent. Bob Grove even personally aided me with a product issue I had a long time back. Please keep up the good work!"

Steve K

Not sure which radio is right for you?
Go to www.grove-ent.com to see our comparative specification charts!

Uniden BC346XT

The BC346XT will replace the BC246T as Uniden's flagship handheld analog Trunk Tracker. Touting 9,000 channels organized using Uniden's own Dynamic Memory model the BC346XT simplifies scanner programming by modeling the scanner's memory organization after the real world.

The BC346XT also adds GPS support for automatic control of radio features based on location, a first in the industry for a handheld scanner, and a feature Uniden pioneered with the last generation of mobile scanners.

Some of the new features on the BC346XT that weren't on the BC246T are: EDACS ESK support / Control Channel Data Output - allows the analysis of control channel data without the need to perform invasive modifications to the scanner / GPS Support for location-based scanning, location alerts, and crows-flight navigation / Independent GPS Control of Sites and Channel Groups / Fire Tone Out Alert / Fire Tone Out Search - built-in frequency counter displays the received tones / Band Scope - gives a graphic representation of signal activity / Multi-Site support / Temporary Lockout / Startup Configuration / System, Channel Number

Tagging - provides rapid access to a specific system or channel.



Suggested Accessories:

ANT14 - Austin Condor Antenna	\$34.95
CAS08 - Nylon carry case	\$21.95
CAS11 - Hard Leather Case w/swivel Clip	\$29.95
CAS12 - Hard Leather Case w/belt loop	\$19.95
CBL14 - Uniden USB-1 USB Cable	\$24.95
SFT19 - Scancat Lite	\$29.95
DCC19 - Uniden UA-72 DC Power Cord	\$19.95
DCC03 - DC to DC Universal Adaptor	\$12.95

Order SCN45
Only \$214.95

Uniden BCT8

The BCT8 is a state-of-the-art Trunk Tracking Scanner with BearTracker technology which will alert you when the highway patrol is within approximately a 3 mile radius. It can store 250 frequencies such as police, fire/emergency, marine, railroad, air, amateur, and other communications into 5 banks of 50 channels for a total of 250 channels. add: 25-54; 108-174; 400-512; 806-956 MHz (less cellular)



FEATURES

- Pre-programmed frequencies specific to each state (except Hawaii), Trunked and conventional Highway Patrol frequencies.
- Highway Patrol Priority Alert - Receive audible and visual alert when within three miles of many Highway Patrol/State units.
- Pre-programmed for: Local Police and County Sheriffs; Fire and Emergency Medical Service; News Media; Weather (continuous NOAA weather and Canadian Coast Guard broadcasts); CB Radio; Aircraft; Railroads; Marine Band; Department of Transportation
- Trunk Tracking - Follow VHF High Band UHF 800MHz trunked public safety and public service systems just as if conventional two-way communications were used.
- Multi-Track - Track more than one trunking system at a time. Scan conventional and trunked systems at the same time.
- Data Skip - Allows your scanner to skip unwanted data transmissions and reduces birdies.
- Turbo Search - Increases the search speed to 300 steps per second. This applies only to transmission bands with 5 kHz steps.
- PC Programmable - Allows you to easily program all frequencies and Trunking Talk Groups into your BCT8 through Uniden BCT8 Scanning software running on your PC. (RS232C cable not included)

Supplied Accessories: AD 140U-AC Adapter, DC Power Cord, CD007 Cigarette Lighter Adapter Plug, Telescopic Antenna, Window Mount Antenna, Operating Guide, Trunk Tracker Frequency Guide, BCT 8 Software V 1.0 (OS W98SE, ME, 2000, XP)

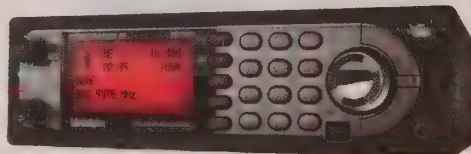
Suggested Accessories:

SFT19 - Scancat Lite	\$29.95
ANT50 - Procomm CD144MBN Mobile Antenna ...	\$19.95

Order SCN08
Only \$162.95

Uniden BCT-15X

TrunkTracker III for Motorola Type I 800, Motorola Type II 800, 900, UHF, VHF (including rebanded 800 MHz systems), EDACS Wide (standard), Narrow, SCAT (including systems that use an EDACS System Key), LTR / State-by-State Preprogrammed Channels - let you easily keep up with activity on local police, Department of Transportation, and Highway Patrol frequencies when you travel, without having to program any channels. / Close Call, with Close Call Do Not Disturb, Close Call Priority (or Primary), and Close Call Temporary Store / Coverage: 25.0000 - 512.0000, 758.0000 - 823.9875, 849.0125 - 868.9875, 894.0125 - 960.0000, 1240.0000 - 1300.0000 MHz



Order SCN31
Only \$219.95

Suggested Accessories:

ANT50 - Procomm CD144MBN Mobile Antenna	\$19.95
CBL14 - Uniden USB-1 USB Cable	\$24.95
DCC03 - DC to DC Universal Adaptor	\$12.95

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PSR-100/200 SCANNER!

Available as a hand-held (PSR-100) or desktop/mobile (PSR-200) configuration, this low-cost scanner provides top performance at a bottom price for rural areas with traditional communications requirements. Frequency coverage 29-54, 108-174, and 380-512 MHz for land mobile and aircraft monitoring.

200 memory channels scannable at 45 channels per second; 10 digit channel and frequency display with function icons; priority; SAME weather alert with Skywarn function; up/down search; 2 second delay; manual frequency tuning; key-press tone; back-lit LCD; PC programmable and cloning. Includes whip antenna, AC adaptor and manual. PSR-100 also includes belt clip, 2 battery holders; 4 AA cells required.

PSR-100



PSR-200

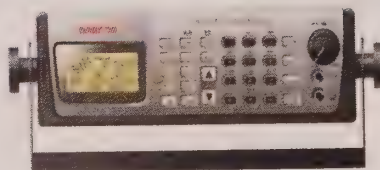


PSR-100
Order SCN16
Only \$89.95

PSR-200
Order SCN17
Only \$89.95

PSR-310/410 SCANNER!

Available in a hand-held (PSR-310) or desktop/mobile (PSR-410) configuration, these mid-range scanners provide top performance with a wide frequency range at a low price. Frequency coverage: 25.00000-54.00000 MHz, 108.00000-136.99166 MHz, 137.00000-174.00000 MHz, 216.00250-299.93750 MHz, 300.00000-512.00000 MHz, 764.00000-960.00000 MHz, 1240.00000-1300.0000 MHz (less cellular). 1500 memory channels, New 700MHz coverage and Upgradeable CPU firmware for future rebanding, Multi trunking of Motorola (type I, II and hybrid analog system), EDACS wide and LTR.



Accessories include Rubber antenna, Owner's manual, Normal Battery holder, Re-charge Battery holder and Belt clip.

PSR-310
Order SCN22
Only \$199.95

PSR-410
Order SCN23
Call for Price

PSR-310 expected availability date of October, 2010 and PSR-410 December, 2010.

GRE PSR-500/600 SCANNER!

Available either as a hand-held (PSR-500) or desktop/mobile (PSR-600) configuration, this top-of-the-line scanner sets new standards in the industry! With 25-54, 108-174, 216-512, 764-960 (less cellular) and 1240-1300 MHz frequency coverage, this is the pick for new narrow-band, spectrum-reformed scanning!

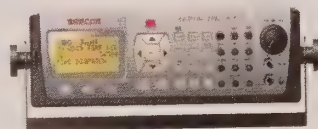
Customize your scan list's 37,800 memory channels for up to 1800 conventional or trunking entries without object limits; on-screen programming assistance; upgradable free software as available from GRE; follow trunking from Motorola, LTR, P25 9600 baud, and EDACS wide/SCAT/narrow networks in any land-mobile band; third-party-software remote controllable; tri-color LED alarm/alert custom-programmable.

Adaptive digital tracking instantly compensates for multipath or fading distortion; digital AGC provides even-level audio regardless of mode; DSP subaudible squelch in DCS and CTSS eliminates squelch tail; high-speed USB cloning; Spectrum Sweeper latches on to nearby transmissions; signal strength indicator; 4 rows of 16 characters each on high-contrast LCD display; SAME/hazards weather alert with single-button access to storm spotter frequencies.

This triple-conversion scanner has selectable 20 dB attenuation for overload situations; multiple priority channels; scan at 55 channels per second; service and frequency search at 90 channels per second; backlit LCD and keypad. Includes whip antenna, AC adaptor and manual.

PSR-500 also includes belt clip, 2 battery cases; 4 AA cells required.

PSR-600



PSR-500



PSR-500
Order SCN18
Only \$409.95

PSR-600
Order SCN19
Only \$409.95

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AOR AR8200 Mk III

The AR8200 Mark III leaves others behind, with a Temperature Compensated Crystal Oscillator that maintains frequency stability without regard to changing ambient temperatures. A new keyboard layout, improved illumination allow easy operation in a variety of conditions and new telescopic antenna included for better reception.

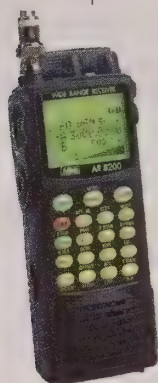
FEATURES:

- Frequency coverage 500kHz-3GHz (Cellular Blocked)
- All mode reception with Super narrow FM plus Wide and Narrow AM in addition to the standard modes
- True carrier re-insertion in SSB modes
- Detachable MW bar aerial with negative feedback
- Tuning steps programmable in multiples of 50Hz in all modes, 8.33kHz Airband step correctly supported
- Versatile band scope with save trace facility & Twin frequency readout with bar signal meter
- Arrow 4-way side rocker with separate main tuning dial
- Configurable keypad beep / illumination & LCD contrast
- Programmable scan & search including LINK, FREE, DELAY, AUDIO, LEVEL, MODE
- Computer socket fitted for control, clone & record, Flash-ROM memory (no battery required)

Supplied Accessories: Whip Antenna, MW Bar Aerial, 4 AA NiCad Batteries, AC Charger, Cigarette Adapter, Hand Strap, Belt Hook with 2 screws, Operating Manual.

Suggested Accessories:

ACC24 - CT8200 CTCSS decoder	\$94.95
ACC25 - AOR TE8200 Tone Eliminator	\$54.95
ACC27 - AOR EM8200 Extended Memory	\$74.95
ANT12 - AOR MA500 Wideband Whip	\$99.00
ANT39 - AOR SA7000 Base/Portable Ant.....	\$229.95
CAS21 - Hard leather case LC8200	\$21.95
CAS25 - Soft leather case SC8200P	\$12.95
CBL07 - AOR CR8200 Tape Recording Cable ..	\$54.95
CBL08 - Computer control lead CC8200.....	\$99.95
CBL13 - AOR IF-8200 Data Cable	\$20.00
PWR24 - AOR AA8000 AC Adaptor	\$25.00
SFT02W - Scancat Gold for Windows	\$99.95



Order SCN51
Only \$629.95

Government agencies order
SCN51-G Only \$639.95

ICOM R20

FEATURES:

- Frequency coverage 150KHz - 3.3 GHz (less cellular)
- Modes of SSB/CW/AM/FM/WFM
- Dual watch capability in specific bands
- IC audio recorder built-in with selectable recording times of 1, 2 or 4 hours.
- CTCSS/DTCS/DTMF decode
- 1250 memory channels: 1000 memory, 25 scan edge, 200 auto-write scan
- Pre-programmed TV Audio channels
- Voice Scan Control
- Auto squelch function
- AND MORE.....

Suggested Accessories:

BAT04 - BP-206 Li-Ion Battery Cell Assembly	\$51.95
DCC18 - CP-18A DC cord/Cigarette Lighter Cable	\$24.95
CAS07 - LC-158 carrying case	\$23.95
SFT13 - CS-R20 cloning sw + OPC-1382 cable (USB)	\$49.95



Order SCN20
Only \$539.95

Government agencies order
SCN20-G Only \$569.95

Yaesu VR500

MINIATURE HIGH-PERFORMANCE MONITORING STATION

Yaesu's years of hand-held transceiver design know-how bring you the ultra-compact VR-500 Receiver, measuring just 2.28" x .95" x 3.74" (58 x 24 x 95 mm) and weighing less than 1/2 lb. (220 g)! Take the VR-500 anywhere you go...and stay on top of the action!

WIDE BAND MULTI-MODE FREQUENCY COVERAGE

Providing continuous* frequency coverage from 100 kHz through 1299.99995 MHz, the VR-500 includes reception of narrowband FM, wideband FM (for broadcast/TV), SSB (USB/LSB), CW, and AM. * Cellular frequency blocked, which cannot be restored.

- Continuous coverage: 100 kHz to 1299.99995 MHz!
- All mode reception: FM, Wide-FM, USB, LSB, CW, and AM!
- Huge memory capacity: 1091 Channels!
- 1 MHz Fast Steps for quick frequency excursions.
- Front-End 20dB attenuator
- RF Squelch control
- Power on / off timers
- Adjustable battery saver
- Clone capability
- Computer Control



Order SCN06
Only \$269.95

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ICOM R6

100 kHz – 1309.995 MHz* wideband coverage

While the IC-R6 receives an ultra wideband frequency range, the radio provides superior sensitivity and receiver characteristics that is insusceptible to interference. Amateur stations, AM, FM, short wave broadcasts, TV audio* and a variety of utility communications can be caught and listened to. Frequency range depends on version. Analog TV audio only. Cannot decode digital TV audio.

100 channels per second high speed scan

The IC-R6 has 100 channels per second high speed scan capability*. This superior scanning power allows the utmost efficiency when search over 1300 MHz of spectrum! VFO mode scanning.

15 hours of continuous receive capability*

The IC-R6 is energy-efficient, designed to provide many hours of listening enjoyment on a single charge. With the supplied rechargeable Ni-MH cells (1400mAh × 2), the IC-R6 provides up to 15 hours of continuous receive capability*.

At 50 mW output using external speaker.

1300 memory channels with 22 memory banks

With 1300 alphanumeric memory channels, 50 scan edges and 200 auto write memories, the IC-R6 gives you flexible scanning. Use the bank link scan feature to choose from and connect any of the 22 memory banks.

VSC (Voice Squelch Control)

The VSC opens the squelch only when a modulated signal is detected and ignores unmodulated beat noise. It is a handy feature for those listeners who are scanning for talk, news and music, but not data bursts or beacons.

Multiple power choices

The IC-R6 can be powered by rechargeable Ni-MH cells, or with alkaline batteries. Run the IC-R6 using the AC adapter, BC-196S, or opt for a cigarette lighter cable, CP-18. When used the optional drop-in charger stand BC-194 with the AC adapter or cigarette lighter cable, you can easily start charging the Ni-MH cells, while eliminating the need to connect the power source to the DC power jack of the receiver.

Suggested Accessories:

ACC03 - OPC-478 Computer Interface.....	\$34.95
ACC05 - USB Interface OPC-478U.....	\$49.95
ADP33 - BNC female to SMA adaptor	\$3.99
CAS20 - Soft Case LC146A	\$21.95
SFT57 - CS-R6 Cloning Software.....	\$42.95

Order SCN54
Only \$199.95

Ramsey ABM1 Aircraft Monitor



Monitor the entire 118-137 MHz civilian aircraft band at once, and there's no oscillator that could cause navigational interference on an aircraft! High sensitivity brings in all VHF aircraft signals within miles with no visible antenna (the ear bud cord is its antenna)! Adjust the volume to comfortable listening; set the squelch to limit distance; wear the inconspicuous monitor on a belt or in your pocket. Ideal for air shows, airline trips, air traffic monitoring.

Measuring only 2-1/2" x 4-1/2", the Ramsey ABM1 Aircraft Monitor runs off a 9-volt battery (not included); full operational/technical manual and privacy ear buds are supplied.

Order SCN05
Only \$149.95

"As a recently licensed Ham (just passed the Exam this past Sunday actually!), I wanted to thank you for offering your low cost MTX-press subscripton. Convincing the YL was a piece of cake and with a couple of issues under my belt I can say nothing beats the price, convenience or speed with which I can recieve issues of your fine magazine. Keep up the good work!"

- Michael Letterle, Eastlake, OH

WR-G31DDC 'EXCALIBUR'

This sturdy, compact, die cast package is the size of a paper-back novel, accessorized with a USB computer interface (cable provided), an SMA antenna connector (an SMA/BNC adapter is included); and a 12VDC jack (an AC adapter is also included).

Covering a continuous 9 kHz (and lower) to 50 MHz spectrum, detection modes include AM, synchronous AM, USB, LSB, CW, FM, FSK, UDM (user defined mode), and even DRM (optional).

The screen is a powerful signal processing and analysis tool. Three spectrum displays reveal the presence, frequencies, and relative amplitudes of signals. Simply press and step the zoom icon for larger magnification.

View the spectrum as a conventional spectrum analyzer, or as a colorful waterfall presentation adding the time dimension for signal activity up to two minutes of recording and display, all adjustable from full 50 MHz wide in real time down to a few kilohertz for signal analysis.

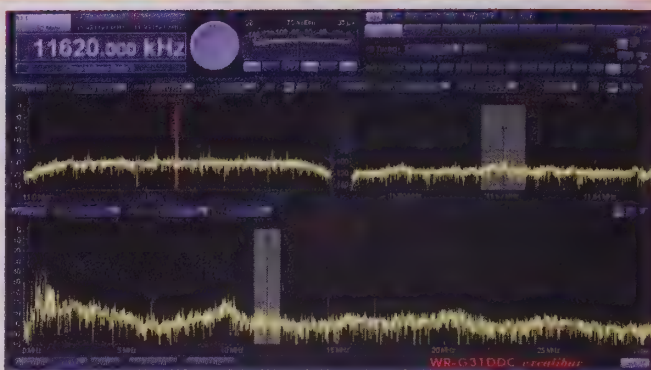
Do predetection recording like the intelligence agencies and play it back later for analysis and monitoring of any signals as they transmit within 2 megahertz bandwidth.

Drag the cursor with your mouse across the spectrum display to select and monitor signals instantly, or type the frequency in directly with 1 Hz accuracy. A display tells you the service authorization for that frequency (broadcasting, amateur radio, maritime mobile, etc.).

Three separate receivers may be monitored independently or simultaneously, provided they are within a 2 MHz spread. Passband tuning and digital IF shift remove adjacent channel interference.

PC requirements are Windows XP, Vista, or 7, with a 2 GHz dual core CPU and 1 GB RAM. The display should be SVGA and only 20 MB hard drive space is required. The G31 will work with slower computers with some sacrifice in selectivity and DDC bandwidth.

This is radio signal acquisition like you've never experienced before!



RCV66 WR-G31DDC\$849.95

WiNRADiO PC-based Receivers, G315 Series

This receiver is intended for government, military, security, surveillance, broadcast monitoring, industrial and demanding consumer applications.

G3

The WiNRADiO WR-G315i is a software-defined high-performance VHF/UHF receiver (9 kHz to 1800 MHz, extendable to 3500 MHz using an optional downconverter) on a PCI card.

The receiver offers an unparalleled flexibility given its SDR architecture, respectable dynamic range, and high sensitivity. Many useful features complement the receiver, making it capable of filling not only the role of a monitoring receiver but also that of a measuring receiver, such as the calibrated S-meter showing the received signal levels in dBm, μ V or S-units, down to the -140 dBm noise floor, several spectrum analyzers, and many other features not usually found on receivers of this price.

The hardware and software package consists of the receiver card, Windows-based software, a start-up antenna and a user's manual.



RCV54 WR G315i..... \$CALL
RCV54-G WR G315i (government/professional version)..... \$CALL

The receiver connects to an IBM-compatible PC via the USB port. Several receivers can be controlled by a single PC to form a multi-channel HF receiver system.

The receiver has its own on-board DSP, and does not rely on the PC sound card for the signal input; the digitization is done in the receiver itself, using a high-performance analog-to-digital converter. As the DSP performs the final stage IF filtering and all demodulation, this receiver is entirely software-defined, which means that additional demodulation or decoding modes can be easily added by a mere software change. (For example, an optional DRM decoder/demodulator is also available.)

Easily installed to any modern computer with the USB interface, this receiver represents an excellent mobile solution for VHF/UHF listening and monitoring.



RCV64 WR G315e..... \$CALL
RCV64-G WR G315e (government/professional version)..... \$CALL

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Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

WiNRADiO G305 Series

Convert your desktop PC into a most sophisticated radio monitoring station! The WiNRADiO WR-G305i is a software-defined PC-based wideband scanning receiver covering a frequency range from 9 kHz to 1800 MHz (optional down-converter to 3.5 GHz available).

G3

The "G3" stands for "the third generation": As the original, award-winning, first-generation WiNRADiO WR-1000i receiver was the world's first commercially available wide-band receiver on a PC card when launched over a decade ago, the newly introduced WR-G305i is the world's first commercially available software-defined VHF/UHF receiver on a PCI bus card.

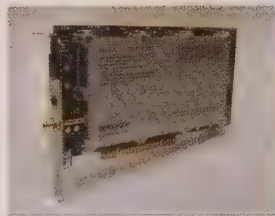
This Software Defined Radio (SDR) offers demodulation and last IF (intermediate frequency) processing entirely in software. Usually this means using a DSP, but in the case of the G305i, this processing is done on a personal computer using a sound card (most modern PCs are now faster and more powerful than many DSPs were only a few years ago). So, if you own a PC, the chances are that you already own an important part of a software defined radio receiver!

In addition to the flexible and friendly user interface, with its numerous functions and facilities not normally available on any conventional receiver, the WiNRADiO G305i receiver excels particularly by the ability of its demodulators.

While the Standard Demodulator provides performance of a highly respectable scanning receiver including synchronous AM demodulation and a real-time spectrum scope, the optional Professional Demodulator offers even more: continuous IF filter bandwidth adjustment (in 1 Hz increments), interactive block diagrams with two additional audio spectrum scopes, and even inbuilt THD and SINAD measurement capability.

G305i

Frequency range from 9 kHz to 1800 MHz (except cellular bands where required by law), Software-defined demodulation, Extraordinary sensitivity, Tracking front-end filters, Excellent strong signal handling, Real-time spectrum analyzer, Spot-on tuning in 1 Hz steps, Accurate signal strength indicator, Fast scanning speed, Multiple squelch modes, Very low phase noise, DRM decoder option, Standard PCI interface, 3.5 GHz down-converter option, Plug and Play installation



RCV53 \$519.95

Government Agencies Order RCV53-G

G305e

The G305e represents an external version of the WR-G305i receiver, with equivalent performance. The PC-based receiver is USB-controlled and compatible with modern desktop and laptop computers with USB interface.

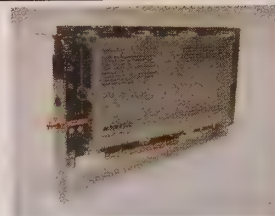


RCV63 \$619.95

Government Agencies Order RCV63G

G305i/PD

The amazing G305i with the Professional Demodulator. The many additional features include: Continuously variable IF bandwidth 100 Hz - 15 kHz, user adjustable filter selectivity, WiNRADiO Digital Bridge™ compatibility, built-in test and measurement instrumentation, interactive block diagrams with two additional audio spectrum scopes, and even inbuilt THD and SINAD measurement capability.



RCV53P \$619.95

Government Agencies Order RCV53P-G

G305e/PD

The amazing G305e with the Professional Demodulator. The many additional features include: Continuously variable IF bandwidth 100 Hz - 15 kHz, user adjustable filter selectivity, WiNRADiO Digital Bridge™ compatibility, built-in test and measurement instrumentation, interactive block diagrams with two additional audio spectrum scopes, and THD and SINAD measurement capability.



RCV63P \$719.95

Government Agencies Order RCV63P-G

MOD09 - Wide FM option available for ALL G305 receivers \$99.95.

This option is factory installed and requires 4 - 6 weeks for delivery.

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WiNRADiO PC-based Receivers, G313 Series

The G313 Series receivers are professional, software-defined shortwave receivers, for demanding monitoring and surveillance applications.

G3



This is an internal model, where the entire high-performance shortwave receiver (9kHz-30MHz) is contained on a PCI card, extremely well shielded against the effects of PC-generated interference. The demodulation is performed by an on-board DSP, which makes it possible to use multiple receivers in a single computer. Numerous functions and facilities include recording and playback (both audio and IF spectrum), IF shift, notch filter, noise blanker, and numerous test and measurements facilities including several spectrum analyzers. There are also numerous hardware options, factory-installed at the time of order. Simple "Plug and Play" installation.

RCV31 WRG313i..... \$949.95



The WiNRADiO WR-G313e is a software-defined high-performance HF receiver (9 kHz to 30 MHz, optionally extendable to 180 MHz) with a USB interface, an external version of the acclaimed WR-G313i receiver.

The receiver connects to an IBM-compatible PC via the USB port. Several receivers can be controlled by a single PC to form a multi-channel HF receiver system.

The receiver has its own on-board DSP, and does not rely on the PC sound card for its performance. As the DSP performs the final stage IF filtering and all demodulation, this receiver is entirely software-defined, which means that additional demodulation or decoding modes can be easily added by a mere software change.

RCV31E WRG313e..... \$1149.95

G3 Modifications

OPTIONS ARE FACTORY INSTALLED AND WILL TAKE 4-6 WEEKS FOR DELIVERY. To order a receiver with any of the options, simply add the option code(s) to the receiver model number. For example, for a 180MHz receiver with external reference oscillator, the model number will be G313i/180/XR. Options can be mixed together (except the IF options where only one can be selected, i.e. IF1 and IF4 cannot be selected at the same time).

MOD04 - Frequency Extension Option (G313/180)	\$249.95
MOD05 - External Reference Oscillator Option (G313/XR)	\$199.95
MOD06 - Reference Oscillator Output Option (G313/RO)	\$149.95
MOD07 - Intermediate Frequency Output Option 10.7 MHz (G313/IF1)	\$249.95
MOD08 - Intermediate Frequency Output Option 45 MHz (G313/IF4)	\$199.95

WiNRADiO WR-G33EM Marine Receiver

The WiNRADiO WR-G33EM is a high-performance receiver specially developed for marine applications. It covers the HF frequency range to 30 MHz, and contains a number of decoding facilities including HF Fax, NAVTEX, DSC and TELEX, as well as classical AM, SSB and CW radio modes.

A GPS option is also available which integrates the receiver with a high-resolution global mapping facility.

This high-performance marine receiver is extremely sensitive and optimized to work with relatively short antennas, typically found in a marine environment, yet featuring a respectable dynamic range making the receiver resistant to strong signal overload.

The receiver comes in a small enclosure which connects to an IBM-compatible PC (desktop or laptop) via the supplied USB cable. An external antenna connects to the receiver.



RCV16/GPS WR-G33EM/GPS \$999.95

RCV16 WR-G33EM.... \$849.95

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WiNRADiO PC-based Receivers, G303 Series

The G303 Series receivers are low-cost, software-defined shortwave receivers for amateur and less-demanding professional applications.

G3



This is an internal model, where the entire front end of a very sensitive shortwave receiver (9kHz-30MHz) is contained on a PCI card, extremely well-shielded against the effects of PC-generated interference. The demodulation is performed by the PC using advanced digital signal processing techniques. Simple "Plug and Play" installation.

See also the optional G303 Professional demodulator and DRM decoder which further enhance the performance of this popular, award-winning receiver.

RCV46 WR G303i.....	\$449.95
RCV46P WR G303i (bundled w/professional demodulator).....	\$549.95



The WiNRADiO WR-G303e is a software-defined PC-based HF receiver (9 kHz to 30 MHz). It represents an external version of the award-winning WR-G303i receiver, with equivalent performance.

The PC-based receiver is USB-controlled and compatible with modern desktop and laptop computers with USB interface. An optional serial interface is also available.

RCV46E WR G303e.....	\$549.95
RCV46EP WR G303e (bundled w/professional demodulator)....	\$699.95

"Just got the Bearcat 396 XT programmed last night. Wow! Reception is excellent even on the factory rubber duck. Connected up to my outside discone antenna and had a really good time. The powered splitter makes all the difference. No signal losses between radios. Thanks again for all your help."

Gus P.

WiNRADiO Accessories

ACC02 - WR-USB USB ADAPTOR	\$49.95
ACC06 - WR-WTCI-B TELEPHONE CONTROL INTERFACE	\$950.00
ACC14B - CLIENT/SERVER OPTION FOR 3000 SERIES	\$279.00
ACC14D - CLIENT/SERVER OPTION FOR G313 SERIES	\$149.95
ACC28 - WR-PCA PCMCIA OPTION	\$89.95
ACC37 - WR-MAC-SC-01 MACINTOSH SERIAL CABLE	\$17.95
ACC71 - WR-AC-MC-01 MOUNTING CLAMPS	\$14.95
ADP35 - WR-LWA-0130 LONG-WIRE ANTENNA ADAPTOR	\$39.95
BRK02 - WR-G3E-WMB WALL-MOUNT BRACKET FOR G3 SERIES	\$19.95
CBL03 - WR-RCA-03 CABLE FOR 1500/3000 RECEIVER "DATA PORT"	\$9.95
CVR02 - WR-DNC-3500 FREQUENCY DOWNCONVERTER	\$189.95
DEC01 - WR-UNIFSK DECODER	\$349.95
PRE03 - WR-LNA-3500 LOW NOISE AMPLIFIER	\$199.95
PWR09 - G3 Portable Power Source Option	\$189.95
SFT15 - DIGITAL SUITE	\$85.00
SFT15A - ADVANCED DIGITAL SUITE	\$179.95
SFT15U - DIGITAL SUITE UPGRADE	\$85.00
SFT16 - WORLDSTATION DATABASE MANAGER (VERSION 2)	\$85.00
SFT20 - G303 PROFESSIONAL DEMODULATOR	\$179.95
SFT23 - TRUNKING OPTION	\$89.95
SFT33 - WR-WTCInet SOFTWARE	\$499.00
SFT40 - G305 PROFESSIONAL DEMODULATOR	\$199.95
SFT42 - APCO P25 Decoder for G305 Receivers	\$89.95
SFT47 - APCO P25 Decoder for G315 Receivers	\$179.95
SFT56 - WR-ATO-G305 ADVANCED TRUNKING OPTION	\$179.95
SFT58 - WR-ATO-G315 ADVANCED TRUNKING OPTION	\$179.95
TST06 - ERD-1500 ELECTROMAGNETIC RADIATION DETECTOR	\$49.95

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IC-R20 ADVANCED OPS

- RX: 0.150-3304.999MHz*
- AM, FM, WFM, SSB, CW
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- Dualwatch Receive
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- Computer Controllable

IC-RX7 TRACK READY

- RX: 0.150-1300.0MHz*
- AM, FM, WFM
- 1825 Alphanumeric Memory Channels
- 100 Ch/Second High Speed Scan
- Computer Programmable*
- Water Resistance Equivalent to IPX4

Visit your authorized Icom dealer today.

*Frequency specs may vary. Refer to owners manual for exact frequency specs

*Optional CT-17 required *Optional CS-RX7 required

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IC-R75

Low Noise Floor, Medium Size, and High Value!

Discriminating shortwavers and other listening enthusiasts love Icom's R75. It's a great way to enjoy the hobby without breaking the bank. The R75 is compact enough for a small tabletop. Yet it's big enough to offer a well laid out front panel, a direct frequency entry keypad, and plenty of easy to use controls. User-friendly menu system and memory channel management, too. For great selectivity, great size, and a great price, get your R75 from Grove today!

- 0.03 - 60 MHz*
- USB, LSB, CW, RTTY, AM, FM
- 99 memory channels
- Optional DSP
- Dual passband tuning
- Automatic notch filter
- Noise blanker with dual preamps
- Built-in attenuator and RF gain control
- Internal clock with ON/OFF, sleep timer



IC-R8500

Professional Grade.

Export or Government Approved Users Only

The R8500 is a handsome DC-to-daylight receiver, offering a superb design, remarkable performance, and first-rate build quality.

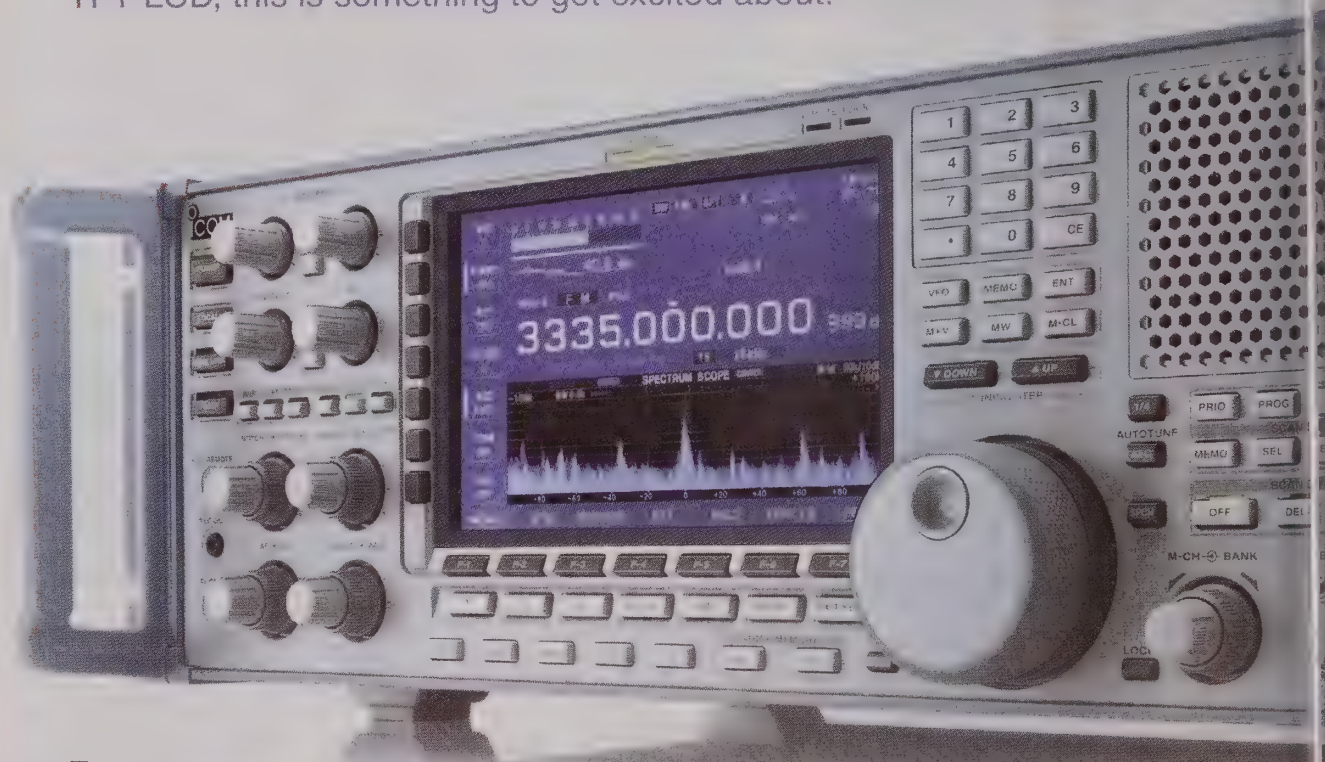
- 0.01 - 2000 MHz*
- SSB (USB, LSB), AM (wide, normal, narrow), FM (normal, narrow), WFM. Optional CW (normal, narrow)
- 1000 memory channels
- 10Hz resolution
- Built-in high quality crystal
- IF shift
- Audio peak filter
- S-meter squelch
- RS-232C interface
- 3 Antenna connectors

*Frequency coverage may vary. Refer to owner's manual for exact frequency specs
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Expanding Your World of Possibilities with Icom's Ultimate Wide Band Receiver!

IC-R9500 Icom's Ultimate Wide Band Receiver

We've raised the bar with our super performance, multiple function wide band "measuring" receiver. The IC-R9500 has normal and wide spectrum scope functions. With five roofing filters before the first amp, two independent 32-bit floating point DSP processors, and 7-inch wide color TFT LCD, this is something to get excited about!



Features:

- 0.005 - 3335.000 MHz*
- USB, LSB, CW, FSK, FM, WFM, AM
- 1020 Alphanumeric Memories
- P25 (Option UT-122)
- Five Roofing Filters
- Dual DSP
- Digital IF Filter
- Multi-function Spectrum Scope
- 7-inch TFT LCD Display
- Noise Blanker
- Noise Reduction
- Multi-scan Functions
- Voice Synthesizer
- Digital Voice Recorder
- USB Connector
- Receive Assist Functions

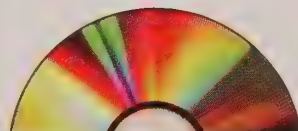
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IC-R1500

Mobile or PC Control

- 0.01 - 3299.99 MHz*
- AM, FM, WFM, USB, LSB, CW
- 1000 Memory Channels
- Fast Scan
- Optional DSP (UT-106)
- Bonito Software Included
- Very Compact Design



IC-R2500

2 Wide Band RX in 1

- 0.01 - 3299.99 MHz*
- AM, FM, WFM, SSB, CW (Main)
- AM, FM and WFM (Sub)
- 1000 Memory Channels
- Optional D-STAR (UT-118)
- Optional P25 (UT-122)
- Optional DSP (UT-106)

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425.450.6088 or

www.icomamerica.com

*Frequency coverage may vary. Refer to owner's manual for exact specifications.

**Blocked versions only. Limited time offer. See dealer for details.

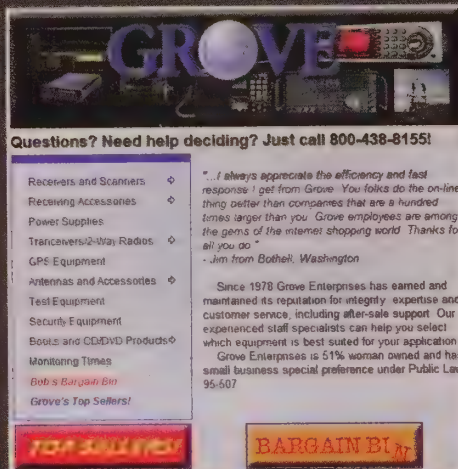
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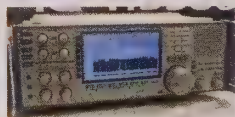


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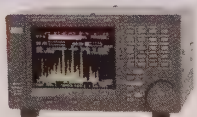
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AOR SR2000A



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We recently surveyed our Monitoring Times readers about what they liked about the magazine, and what they believed we could do to improve it. Here are a few of the responses:

"Your magazine is fantastic now. Don't know how you can improve it." -Brad L., Springfield, MO

"MT Express is a GREAT resource for me! I look forward to it every month! Thanks." 73. Kenneth K., K5KGK, Austin, TX

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VHF/UHF BASE ANTENNAS

NEW Grove Scanner Beam III!

Grove's highly-regarded Scanner Beam has been improved with higher gain, and is being released at a special introductory price! Mount it high and in the clear for full-spectrum VHF/UHF frequency coverage from 30-1000 MHz! Hear law enforcement agencies, firefighters, emergency medical teams, aircraft, marine radio, trains, FM and TV broadcasting, business band, federal agencies and more—up to 100 miles away!

Lightweight and compact, all parts are included—balun transformer with F connector, offset boom, U-clamp. No assembly required—just rotate and latch the elements into place. Point it in any direction for maximum reception, or aim it with an inexpensive TV rotator.

Specifications:

DIMENSIONS: Boom length, 60"; Rearmost element, 96".

GAIN: 30-50 MHz, 0 dBd (unity); 100-200 MHz, 4-6 dBd; 400-500 MHz, 6-8 dBd; 800 MHz+, 10-12 dBd.

Suggested Accessories:

CBL25 - 25' F to F RG6U cable\$14.95

CBL50 - 50' F to F RG6U cable\$19.95

CBL100 - 100' F to F RG6U cable\$24.95

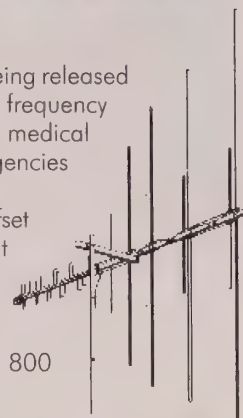
SWC01 - Antenna Switch\$19.95

No standard 2nd day shipping due to weight. Call for rates.

Order ANT03

Our Price: \$69⁹⁵

Shipped only in U.S. & Canada



Grove OMNI II

Designed by Bob Grove, this exclusive Grove product offers 25-1300 MHz coverage for modern scanners; lightweight, compact design, high performance, and low cost! Designed especially for wide-area metropolitan listeners, the 68" Omni can be mounted on a mast, in an attic crawl space, against a wall—just about anywhere convenient.

BONUS FEATURE! Although the Omni is essentially non-directional, a metal mast gives it useful directional properties. Overload interference from paging transmitters, weather stations, FM or TV broadcasters, or other sources may be reduced or eliminated when positioning the antenna on the mast at the time of installation! Similarly, a distant, weak signal may be peaked by the same technique!

Balun transformer with F connector, offset pipe, mounting hardware and full instructions included.

Suggested Accessories:

CBL25 - 25' F to F RG6U cable\$14.95

CBL50 - 50' F to F RG6U cable\$19.95

CBL100 - 100' F to F RG6U cable\$24.95

SWC01 - Antenna Switch\$19.95

No standard 2nd day shipping due to weight. Call for rates.

Order ANT05

Our Price: \$29⁹⁵

Shipped only in U.S. & Canada



Scantenna

Includes 50' of coax cable plus BNC connectors!

This omnidirectional scanner antenna will equal or outperform any competitor on the market. Its dipole-cluster design utilizes broadband techniques to provide continuous frequency coverage from 25-1300 MHz, offering superb reception of public safety, civilian and military aircraft, hams, personal communication devices, maritime, CB— anything in its frequency range! Size 7-1/2"H x 4-1/2"W.

If more than 50' of cable is needed, order the ADP26 (F/F barrel connector) along with CBL50 or CBL100.

Order ANT07 - Our Price: \$49⁹⁵

No standard 2nd day shipping due to weight. Call for rates.

Shipped only in U.S. & Canada



High Performance 800 MHz Portable Antenna

The Max Systems antenna will make a tremendous improvement in the 806-960 MHz reception over the whip provided with your hand-held or desktop scanner! (Not usable in other frequency ranges.)

Equipped with standard BNC connector; rugged ground-plane construction for optimum performance. Only 7-1/2" tall. Comes with straight connector for handhelds (ANT-22 shown in use with a handheld scanner).

Order ANT23 w/right-angle BNC Connector - Our Price - \$34⁹⁵

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Super-M Classic Multiband Base Antenna

Imagine improving your VHF/UHF base station communications or scanner monitoring by substituting one low-profile (17" H), multi-element antenna system on your antenna line! Its patented, tilted, three-element design uses harmonic patterning to improve VHF/UHF reception and transmission without retuning! Ideal for modern, 25-1300 MHz, wide-coverage scanners, and for 100 watt commercial, amateur, and government transceivers operating in the 140-174 and 406-512 MHz ranges.

Its broadband design accepts modern repeater splits, cross-band, and wideband spread spectrum. Unique sloped elements reduce picket fencing. Stainless-steel whips with turn screws fit securely into an NMO aircraft aluminum base fixture. The antenna assembly clamps securely to your tower or mast pipe and is equipped with an SO-239 connector to match your PL-259-equipped coax cable.

Order ANT10MBS - Our Price: \$99⁹⁵

ANT61MBS - Super-M Ultra Base Station - 25-6000 MHz, more elements - \$189.95

WiNRADiO AX-71C UHF Antenna

The AX-71C antenna is a compact VHF/UHF omni-directional receiving and transmitting antenna for professional and consumer surveillance and monitoring applications.

The antenna covers the frequency range of 25-3000+ MHz offering a typical VSWR figure of less than 1.5:1.

While designed to be entirely general-purpose, the WiNRADiO AX-71C Wideband Discone Antenna is especially suitable for the WiNRADiO range of VHF/UHF receivers.

Its durable construction from high-grade stainless steel, alloy and aluminum will ensure trouble-free operation for many years. The antenna was designed for rapid and easy assembly.

Suggested Accessories:

ACC71 - Mounting clamps	\$14.95
CBL25 - 25' F to F RG6U cable	\$14.95
CBL50 - 50' F to F RG6U cable	\$19.95
CBL100 - 100' F to F RG6U cable	\$24.95
SWC01 - Antenna Switch	\$19.95



Order ANT01

Our Price: \$89⁹⁵

WiNRADiO AX-31C Active UHF Antenna

The AX-31C antenna is a compact VHF/UHF log-periodic directional antenna, a successor to the popular AX-31B antenna, with improved performance and reduced weight and dimensions, as well as additional packaging options: an outdoor mounting version and a hand-held one.

This antenna is constructed on a high-quality fibre-glass substrate, with an integrated low noise amplifier. The user can also specify antenna versions without the inbuilt amplifier, which does not require any power to operate. Versions without the amplifier can be also used as low power transmit antennas.

The AX-31C antenna covers a frequency range of 290 to 2200 MHz (a wider frequency range can be still received with reduced gain) and is ideally suited for reception of point-to-point communications where its directional characteristics can significantly improve rejection of interfering signals. The directionality is especially significant above 400 MHz; under 400 MHz the directionality gradually declines to the point when the antenna acts as a non-directional dipole.

While designed to be entirely general-purpose and performing well with any third-party equipment, the WiNRADiO AX-31C antenna is especially suitable for WiNRADiO G3 Series of VHF/UHF receivers, in both professional and consumer applications.

WiNRADiO AX-31C

Order ANT58 - Our Price: \$139⁹⁵

Base board only, no enclosure, with preamplifier, receive only, 9V battery power.

NOTE: In the AX-31C and AX-37A series, these suffix letters indicate the options:

H: Hand Grip **M:** Mast Mounting **P:** Preamplifier **X:** Transmit

WiNRADiO AX-31CP Base board only, no enclosure, with preamplifier, receive only, 12V battery power.

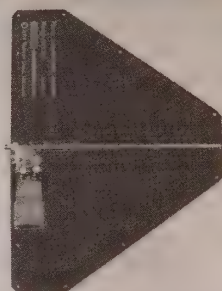
WiNRADiO AX-31CX Base board only, no enclosure, no preamplifier, receive and transmit.

WiNRADiO AX-31CH Ruggedized enclosure with hand grip, with preamplifier, receive only, external 12V DC power.

WiNRADiO AX-31CHX Ruggedized enclosure with hand grip, no preamplifier, receive and transmit.

WiNRADiO AX-31CM Ruggedized enclosure for outdoor mast-mounting, with preamplifier, receive only, external 12V DC power.

WiNRADiO AX-31CMX Ruggedized enclosure for outdoor mast-mounting, no preamplifier, receive and transmit.



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WiNRADiO AX-81S Active HF Antenna

The AX-81S antenna is a compact active HF antenna, ruggedized to suit harsh outdoor environments, and particularly suitable for marine environments. While it has been designed primarily as a marine antenna, it can be useful anywhere where good HF performance and reliability are required, and where space is at premium. The antenna is receive-only, and is suitable for professional as well as consumer applications.

The antenna covers the frequency range of 2 to 30 MHz, or 300 kHz to 50 MHz with somewhat reduced (but still excellent) performance.

The principal elements of the antenna are constructed of a low-carbon austenitic stainless steel that contains molybdenum. Austenitic (chromium and nickel content) stainless steels have high ductility (i.e. ability of a metal to plastically deform without breaking or fracturing), low yield stress and high ultimate tensile strength, when compared to a typical carbon steel. The 316L grade as used for the AX-81S antenna also offers an especially high degree of resistance to corrosion. The choice of materials and the durable construction of the AX-81S antenna will ensure trouble-free operation for many years.

The antenna was designed for rapid installation, with an easy-to-follow installation procedure supplied with the antenna.



Order ANT51 - Our Price: \$189⁹⁵

The Mighty Condor!

Looking for a suitable rubber duckie scanner antenna to replace the factory issue? Try this one which has become the standard of the industry. Made for the two-way communications community, the 12" Austin Condor is guaranteed to improve weak signal scanner reception throughout the 100-1300 MHz frequency ranges compared to your original scanner antenna.

Order ANT14B w/right-angle BNC Connector - Our Price - \$39⁹⁵

Grove Flex-Tenna™ VU



The 48 inch Model VU Flex-Tenna™ is a thin and inconspicuous, flexible-wire antenna designed to provide continuous 25-2500 MHz reception on scanners. Since it's a narrow length of clear-insulated cable, it is an excellent choice for low-visibility installations. Has an F connector. Make sure to choose the correct adaptor for your needs.

Suggested Accessories:

CBL50 - 50' F to F RG6U cable\$19.95
CBL100 - 100' F to F RG6U cable\$24.95
CBL09 - F Male ~ F Male Coax (3')\$1.25

Order ANT46 - Our Price - \$9⁹⁵

VHF/UHF WIDEBAND ANTENNAS

AOR DA3200 Extended-Range Discone

For continuous-coverage 25-3000 MHz VHF/UHF receivers and scanners, and even 100 watt transmitters on most VHF-HI and UHF frequencies, you can't beat this rugged discone! Stainless steel tubing combines light weight with rough-weather durability. Includes 50 feet of low-loss coax with BNC connector, two U clamps, TNC connector at antenna end, and tough 2-1/2" mast mount.



Order ANT62 - Our Price: \$184⁹⁵

"MT Express is a GREAT resource for me! I look forward to it every month! Thanks. 73."

Kenneth K.

WiNRADiO AX-24B Discone Antenna

The AX-24B antenna is a compact UHF/SHF omni-directional receiving antenna for professional surveillance and monitoring applications.

The antenna covers the frequency range of 400 to 4000 MHz.

While designed to be entirely general-purpose, the WiNRADiO AX-24B UHF/SHF Discone Antenna is especially suitable for use with the WiNRADiO G3 series of VHF/UHF receivers, especially for the G315 receivers working in conjunction with the AMFE™ Antenna Multiplexer and Frequency Extender.

Its durable construction from high-grade stainless steel, alloy and aluminum will ensure trouble-free operation for many years. The antenna was designed for rapid and easy assembly.

Order ANT63 - Our Price: \$349⁹⁵



AOR DA5000 UHF Discone Antenna

The DA5000 is a very high performance, commercial grade UHF Discone receive antenna. The frequency coverage is 700 to 3000 MHz and the DA5000 equipped with a N connector. The maximum antenna gain is 2.5 dB.

Specifications:

Overall length: 1 foot

Radials: 5.7 inches

Horizontal elements: 3.2 inches

Weight: 1.6 lbs

Impedance: 50 ohms

Note: To get the maximum performance from this antenna, you must use with a low loss coaxial cable (not included).

Order DS-DA5000 - Our Price: \$349⁹⁵



AOR SA-7000 Super-Wide Receiving Antenna

Designed for wide-frequency-coverage receivers and scanners, the SA-7000 base antenna is rigidly constructed of stainless steel and aluminum and comes with 50' of RG 58U coaxial cable terminated with a BNC connector. Engineered to provide a 50 ohm match, the SA-7000 is 71 inches tall and mounts on a mast up to 2-1/4" diameter. Complete passive system brings superior low noise and free of cross / intermodulation.

Specifications:

Receiving Range: 30 kHz - 2GHz

Height: 72 in

Wind Load: Withstands in excess of 100 MPH

Order ANT39

Our Price: \$229⁹⁵

"Thanks a bunch for asking for input! It's taken me a month to narrow down my interests. I started out with just about every category checked. :-) Keep up the GREAT work! It's exactly what I'm looking for in a resource. The .pdf format is excellent! It sure is easier to save & search stuff compared to the printed copy. Printed magazines quickly become a huge, unorganized stack of dusty paper in the garage. The .pdf format is always easy to find & reference past info."

Kenneth K.

For cables and adaptors, see page 34

7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200

fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com

Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

Diamond Wide Frequency Coverage Discone Antenna

The discone antenna is used by government and military agencies worldwide because of its wide bandwidth characteristics and non-directional coverage. Diamond offers this professional-grade discone at a popular price.

Designed for use with wide-frequency-coverage VHF/UHF scanners and receivers, the Diamond D130J discone consists of 16 rugged, stainless-steel elements and is capable of transmitting up to 200 watts in the amateur 50, 144, 220, 432, 900, and 1200 MHz bands.

The elements are arranged on a 24-inch support pipe equipped with two strong mounting brackets to accommodate any standard mast-pipe (1" to 2-1/8" diameter).

Requires PL-259 Adaptor.

Suggested Accessories:

ADP02 - F FEMALE TO PL259 "UHF" FEMALE ADAPTER	\$3.99
CBL50 - 50' F to F RG6U cable	\$19.95
CBL100 - 100' F to F RG6U cable	\$24.95
SWC01 - Antenna Switch	\$19.95



Order ANT09

Our Price: \$99⁹⁵

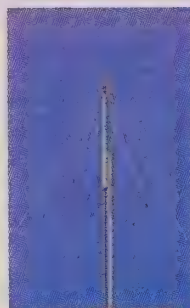
Icom AH-8000 Antenna

Continuous frequency coverage from 100MHz-3300MHz (3.3 GHz) is ideal for the new wide-frequency coverage receivers from ICOM, AOR, WiNRADiO, ALINCO and scanners, too! Use it for transmitting up to 200 watts on ham*, government, military, aircraft and commercial bands as well!

Compact (36") and lightweight (2.1 lbs.); 1"-2" mast mount hardware included. Rapid deployment with factory-cut elements--no adjustments required! Comes with 49' of coax with type N connectors.

* Best impedance match for amateurs on 144, 430, 1200 and 2400 MHz band

Recommended accessory: N/BNC adaptor



Order ANT54 - Our Price - \$249⁹⁵

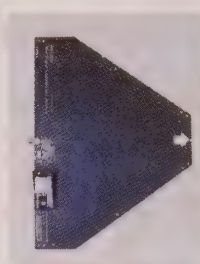
WiNRADiO AX-37A Series Planar, Log-Periodic Antennas

Designed to work with all UHF receivers including the WiNRADiO 3000 series, the AX-37A is a compact, directional, planar, log-periodic, UHF directional antenna. Etched on a high-quality fiberglass substrate, it includes a surface-mount, 20 dB preamplifier, a standard 9V battery holder, power switch and an LED indicator.

Suitable for indoor monitoring, surveillance and point-to-point communication (receive only), its directivity can substantially null co-channel interference. Its small footprint (the size of a sheet of typing paper), light weight and thin profile invite concealed installation, quickly accomplished with double-sided adhesive tape.

TECHNICAL SPECIFICATIONS

Frequency range: 300-3000 MHz (wider with reduced gain)
 Antenna Forward Gain: 6.0 dBi (free space)
 Amplifier Gain: 23 dB @ 1 GHz, Amplifier Noise Figure: 2.0 dB
 Amplifier IP3: +27 dBm, Primary Sensitivity: E-field
 Polarization: Horizontal or vertical (depending on mounting)
 Impedance: 50 ohm (Nominal)
 Power: 9V @ 40 mA (standard PP3 battery), Connector: SMA
 Front-to-back ratio: 18 dB min (180 degrees from main lobe)
 VSWR: 1.3:1, Size: 11.5" x 8.4", Weight: 5 oz



WiNRADiO AX-37A

Order ANT28 - Our Price: \$389⁹⁵

Base board only, no enclosure, with preamplifier, receive only, 9V battery power.

WiNRADiO AX-37AH

Order ANT29 - Our Price: \$499⁹⁵

Ruggedized enclosure with hand grip, with preamplifier, receive only, external 12V DC power.

NOTE: In the AX-31C and AX-37A series, these suffix letters indicate the options:

H: Hand Grip **M:** Mast Mounting **P:** Preamplifier **X:** Transmit

WiNRADiO AX-37AP (special order) Base board only, no enclosure, with preamplifier, receive only, 12V battery power.

WiNRADiO AX-37AX (special order) Base board only, no enclosure, no preamplifier, receive and transmit.

WiNRADiO AX-37AHX (special order) Ruggedized enclosure with hand grip, no preamplifier, receive and transmit.

WiNRADiO AX-37AM (special order) Ruggedized enclosure for outdoor mast-mounting, with preamplifier, receive only, external 12V DC power.

WiNRADiO AX-37AMX (special order) Ruggedized enclosure for outdoor mast-mounting, no preamplifier, receive and transmit.

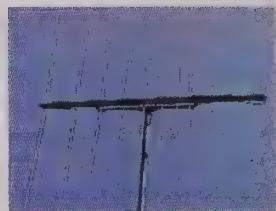
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fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com

Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

Create Log-Periodic Beam

The log-periodic dipole array (LPDA) is respected for its wide bandwidth, constant impedance, and high gain. Measuring 6'8" boom length, the CLP-5130-1N (ANT16) offers 50-1300 MHz bandwidth for transmitting and receiving, with an average forward gain of 10-12 dBi. The CLP-5130-2N (ANT17) offers 100-1300 MHz bandwidth for transmitting and receiving, with an average forward gain of 11-13 dBi. Ruggedly constructed of solid aluminum for lightweight durability. Fitted with an N connector for your low-loss coax.



Order ANT16 - Our Price - \$409⁹⁵

Order ANT17 - Our Price - \$299⁹⁵

VHF/UHF MOBILE ANTENNAS

Procomm CD144MBN

HIGH PERFORMANCE, LOW PROFILE, MOBILE SCANNER ANTENNA

We have replaced our popular Stealth antenna with this mechanically improved model that features a tight hold, wind resistant, chrome finish, 3.25" magnetic base built to withstand high road speeds. The 20" stainless steel whip can receive 25-1000 MHz (best above 100 MHz) and makes a great 2 meter transmit/receive antenna, or you can shorten it to resonance on any VHF-HI or UHF band of your choice (Allen wrench included). 12 feet of RG58/U coax cable (not the usual, lossy RG-174/U) is terminated with a BNC connector for your scanner or transceiver.



Order ANT50 - Our Price: \$19⁹⁵

AOR MA500

For mobile applications, this magnetic-base, center-loaded, 24" trap-loaded whip provides superior VHF/UHF reception from 30-2000 MHz, and can be used for transmitting as well on VHF-HI and UHF land mobile frequencies. Includes 25 foot RG58U cable with BNC and PL-259 connectors.



Order ANT12 - Our Price: \$99⁰⁰

Super-M Classic Superior Mobile Antenna



Unique, tilted, three-element design uses harmonic patterning to improve VHF/UHF reception! Ideal for modern, wide-coverage scanners, 25-1300 MHz, and for 100 watt commercial, amateur, and government transmitters between 140-174, 216-225, and 406-512 MHz without retuning!

Its broadband design accepts modern repeater splits, cross-band, and wideband spread spectrum. Unique sloped elements reduce picket fencing. Stainless-steel whips with turn-screws fit securely into an aircraft-aluminum base fixture, waterproof-sealed by a rubber gasket.

A rigid-grip magnetic mount with 12' low-loss cable and a BNC connector are provided.

Order ANT10 - Our Price: \$94⁹⁵

ANT61 - Super-M Ultra Mobile Antenna - 25-6000 MHz, more elements - \$124.95

Super-M Classic Antenna with NMO Base

This high-performance, low profile (17" H) mobile replacement antenna is guaranteed to improve multiband mobile communications over other whips! Its patented, tilted, three-element design uses harmonic patterning to improve VHF/UHF reception and transmission without retuning! Ideal for modern, 25-1300 MHz, wide-coverage scanners, and for 100 watt commercial, amateur, and government transceivers operating in the 140-174, 216-225, and 406-512 MHz ranges.

Its broadband design accepts modern repeater splits, cross-band, and wideband spread spectrum. Unique sloped elements reduce picket fencing. Stainless-steel whips with turn screws fit securely into an aircraft-aluminum base fixture. Fitted with a standard NMO base adaptor for existing 3/4" Motorola mobile mounts.



Order ANT10NMO - Our Price: \$79⁹⁵

ANT61NMO - Super-M Ultra Mobile with NMO Base - 25-6000 MHz, more elements - \$109.95

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Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.



Range-Extending Mobile Mag Mount!

Extend the range of your hand-held radio--simply attach your BNC whip and snap this rugged magnetic mount to the top of your vehicle or even an indoor metal surface (file cabinet, etc.)! Great for scanners, handy-talkies, law enforcement and commercial hand-held transceivers, government/military portables.

The heavy-duty, low-profile, magnetic mount is made of high-grade steel with rubber weatherproofing. It won't come loose at highway speed, yet it's instantly removable for security or storage. Includes 12 feet of RG-58/U coax with BNC connector.

Order ANT48 - Our Price - \$24⁹⁵

HANDHELD SCANNER ANTENNAS

The Mighty Condor!

Looking for a suitable rubber duckie scanner antenna to replace the factory issue? Try this one which has become the standard of the industry. Made for the two-way communications community, the 12" Austin Condor is guaranteed to improve weak signal scanner reception throughout the 100-1300 MHz frequency ranges compared to your original scanner antenna.

Order ANT14 - Our Price - \$34⁹⁵



High Performance 800 MHz Portable Antenna

The Max Systems antenna will make a tremendous improvement in the 806-960 MHz reception over the whip provided with your hand-held or desktop scanner! (Not usable in other frequency ranges.)

Equipped with standard BNC connector; rugged ground-plane construction for optimum performance. Only 7-1/2" tall. Comes with straight connector for handhelds (ANT-22 shown in use with a handheld scanner).

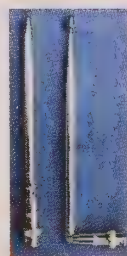
Order ANT22 - Our Price - \$29⁹⁵

Grove Universal Telescoping Whip

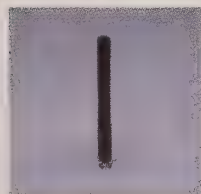
For ham and commercial handie-talkies as well as hand-held scanners, the Grove rugged, chrome, telescoping whip features a swivel BNC base, allowing the whip to be used straight or turned to a right angle for those special applications between 100 and 1000 MHz.

Adjustable length from 6" to 29" allows frequency optimization. Quarter-wave resonance at VHF hi band, 3 dB gain or more over rubber duckies at UHF.

Order ANT06 - Our Price: \$14⁹⁵



WiNRADiO AX-07B Flexible VHF/UHF Antenna



The AX-07B is a rugged antenna designed for reception and low-power transmission in the 100-900 MHz range.

The flexible antenna is encapsulated in a weatherproof rubber sheath resistant to chemical corrosion, abrasion, ozone, salt water and ultra violet radiation, making it ideal for outdoor applications.

Order ANT47 - Our Price - \$24⁹⁵

Diamond RH77CA HT/Receiving & Scanner Antenna

WIDEBAND FLEX ANTENNA FOR HT'S AND SCANNERS! Designed for multiple-frequency transmitting as well as wideband receiving, this 16" flexible whip is equipped with a standard BNC connector to fit most portable VHF/UHF radios. Transmit frequencies in the 144-160 and 430-470 MHz ranges, as well as excellent general-purpose reception in the 90-900 MHz range (usable down to 30 MHz with reduced performance), make this a very popular antenna for hams, scanner listeners, and commercial two-way users.

Order ANT64 - Our Price: \$24⁹⁵

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fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com

Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

HF OUTDOOR ANTENNAS

Grove Flex-Tenna™ HVU

The 24-foot Model HVU Flex-Tenna™ is a thin and inconspicuous, flexible-wire antenna designed to provide continuous 10 kHz-2500 MHz reception on shortwave receivers, wide-frequency-coverage receivers and scanners with only one antenna connector. Since it's a narrow length of clear-insulated cable, it is an excellent choice for low-visibility installations. HF male connector. Choose correct adaptor for your receiver and scanner needs.



Suggested Accessories:

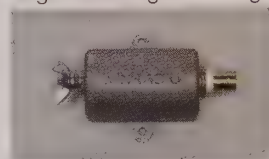
CBL50 - 50' F to F RG6U cable\$19.95
CBL100 - 100' F to F RG6U cable\$24.95
CBL09 - F Male ~ F Male Coax (3')\$1.25

Order ANT45 - Our Price: \$14⁹⁵

WiNRADiO WR-LWA-0130 Long Wire Antenna Adapter

Often referred to as Long Wire Balun, this device is used to match the impedance of a long wire HF antenna to a 50 ohm input impedance of a receiver. Such impedance matching usually results in a significant signal strength increase (up to 17dB in some cases, and approximately 5dB on average), compared to the long wire antenna connected directly to the antenna input of the receiver.

The WiNRADiO WR-LWA-0130 Long Wire Antenna Adapter is designed to work on medium and short wave bands, covering a frequency range from 0.1 to 30 MHz. It is especially suitable for use with WiNRADiO shortwave receivers, such as the WR-G303i receiver.



Unlike most conventional antenna adapters, the WiNRADiO WR-LWA-0130 Long Wire Antenna Adapter employs a dual broadband transformer technique which offers an improved performance over single-transformer devices. Requires BNC adaptor/connector.

ADP09 - F Female to BNC Male\$2.99
CBL50 50' - F to F RG6U cable\$19.95
CBL100 100' - F to F RG6U cable ..\$24.95

Order ADP35 - Our Price: \$39⁹⁵

PAR HIGH-PERFORMANCE "END FEDZ" SHORTWAVE ANTENNA!

The PAR End Fedz 45-foot, commercial-quality, end-fed receiving antenna is made of virtually-indestructible Flex Weave, covered by a protective black polyethylene jacket. Impedance-matched by a 9:1, binocular-core transformer in a weather- and UV-resistant ABS housing, the wire element is firmly attached by stainless steel hardware. You may custom-configure the shorting bar for grounding the antenna. A silver/Teflon SO-239 coax connector is ready to receive the PL-259 on your coax cable.

Mount this beauty outdoors, in the attic, or any other preferred spot for unsurpassed, 1-55 MHz reception! Instructions include patterns for horizontal or slope mounting.

CBL50 50' - F to F RG6U cable ...\$19.95
CBL100 100' - F to F RG6U cable \$24.95
ADP02 - F to PL259 adaptor\$3.99



Order ANT08 - Our Price: \$74⁹⁵

HF INDOOR ANTENNAS

MFJ 1020C ACTIVE SHORTWAVE ANTENNA

If you can't use an outdoor shortwave antenna, the popular MFJ 1020C is the way to go. Featuring 300 kHz-40 MHz frequency-selectable coverage, and including its own 20-inch telescopic whip, the 1020C may be used as a preselector for outdoor antennas as well. Controls include gain, band, tuning, and bypass. Rear-panel SO-239 connectors are provided. Only 6-1/2"W x 2-1/2"H, the 1020C operates either from an internal 9V battery (not supplied) or an optional 9-12 VDC AC adaptor; a red LED lets you know the unit is on.



Suggested Accessories:

PWR04 - AC Adaptor.....\$14.95
CBL11 - 3' PL-259/PL-259 Interconnect Cable. \$4.99

Order ANT19

Our Price: \$89⁹⁵

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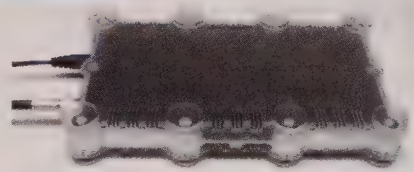
fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com

Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

WiNRADiO AX-17C Indoor Active HF Antenna

The AX-17C is a miniature indoor active HF antenna suited for applications where it is not possible to use conventional large outdoor antennas, and where loop antennas are either not available or not practical due to their large size.

Frequency range..... 0.1 to 30 MHz
Output impedance 50 Ohm



Order ANT60 - Our Price: \$199⁹⁵

Grundig AN200 Loop Antenna

For AM broadcast band (540-1700 kHz) portables, nothing peps up a portable's reception like an external loop antenna.

Place the AN200, a low cost, 9" diameter, tunable loop alongside any radio with a built-in ferrite loop antenna and tune it for dramatically magnified reception.

For direct connection to a radio's external antenna jack, a 3" shielded lead with a stereo phone plug on one end and tinned wires on the other is provided



Order ANT59 - Our Price: \$29⁹⁵



AOR LA-390

A rotating loop antenna is very directional. Depending on the loop's orientation, you can peak an incoming signal depending on its direction, or decrease an interfering signal. The loop element features a 5 position band switch and a High-Q poly-variable capacitor (only active for switch positions 1 to 4) to tune and peak the wanted frequency, while achieving maximum rejection of unwanted out of band signals. This provides valuable additional selectivity for your receivers front end stages.

Supplied Accessories: LA-390 Control box with loop, AC power supply, BNC-BNC Coaxial patch lead (1m)

Order ANT55 - Our Price: \$379⁹⁵

Grove SW Pocket-Tenna



Pocket Shortwave Antenna for Wideband Handheld Receivers. Remarkably improved shortwave/longwave reception over the factory whip. Just attach the cable, run the flexible antenna wire out a window or up to a tie point, and enjoy worldwide reception! (20' foot RG174/U cable with BNC connector.) Recommended for Icom, AOR, Yaesu, Alinco wideband, handheld receivers.

Suggested Accessories:

ADP33 - SMA Adaptor \$3.99

Order ANT25 - Our Price: \$19⁹⁵

LF Engineering H-900 Gain Probe Antenna

LF Engineering has appointed Grove to be the exclusive distributor of the enhanced-performance, H-900 Gain Probe active antenna, with additional gain for weak signal reception, and increased dynamic range to withstand strong-signal overload and avoid desensitization from close-by transmitting antennas!

Includes integrated active antenna, 50 feet of RG174U w/ RCA coax lead-in, control box, 36" jumper with RCA plug; {adaptors to fit your receiver listed below} and AC adaptor.

SPECIFICATIONS:

Dimensions: 25" long, 1" diameter

Frequency coverage: 10 kHz through 60 MHz (-3 dB)

Equivalent performance: 100' dipole

Integrated amplifier: MOSFET / Gain: Up to 12 dB / Additional gain switch: 10 dB

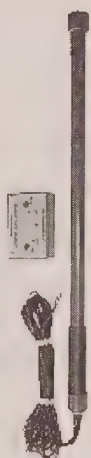
Connectors: RCA Phono jacks

Remote cable: 50' RG-174/U (extendable to 250' by user-provided cable)

ADP32 - RCA Female to PL259 Male \$2.99

ADP25 - RCA Female to Male 1/8" Mini-Plug \$2.99

ADP01 - RCA Female to BNC male \$2.99



Order ANT27 - Our Price: \$189⁰⁰

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H800 Skymatch Active Antenna

The H-800 Active Antenna covers the full LF/HF/VHF spectrum from 10kHz through 50 MHz. A proprietary low noise amplifier (2 wire feed) insures ample gain throughout the operating spectrum. The output impedance on the H-800 is 50-100 ohms, and is designed to match most receivers in use today. The Receiver Coupler may be powered by two 9 volt batteries for operation. An external 120 vac / 12 vdc power supply is included for continuous operation.

The sealed antenna probe consists of impedance matching electronics and amplifier which transform its internal short length wire antenna into a 100 foot "long wire" equivalent. The H-800 has very high E field sensitivity with the advantage of good BC intermodulation rejection. The H-800 is compact and totally sealed (no whip) providing the advantage of reduced EMI interference.

Dual source power design: Internal 9 volt battery (x2) or external 120 vac / 12 vdc supply included. **Includes integrated active antenna, 50 feet of RG174U w/ RCA coax lead-in, control box, and AC adaptor. Equipped with RCA jack and additional adaptors maybe required for use with receivers.**



ADP32 - RCA Female to PL259 Male \$2.99
ADP25 - RCA F to M 1/8" Mini-Plug \$2.99
ADP01 - RCA Female to BNC male \$2.99

Order ANT15 - Our Price: \$149⁰⁰

Grove's Hidden Flex-Tenna

The Hidden Flex-Tenna is easily installed in an attic crawl space and provides continuous 10 kHz-2500 MHz reception for wide-frequency-coverage receivers and scanners! When an outdoor antenna is not an option, the Hidden Flex-Tenna will provide optimum indoor reception.

Measuring 24 feet in length (the longwave/shortwave elements) and supporting a short hanging pair (VHF/UHF elements), the flexible Hidden Flex-Tenna may be conveniently suspended from the roof trusses. A convenient F connector allows connection to your coax down-lead.

Suggested Accessories:

CBL50 - 50' F to F RG6U cable \$19.95
CBL100 - 100' F to F RG6U cable \$24.95
CBL09 - F Male ~ F Male Coax (3') \$1.25

Order ANT49 - Our Price: \$19⁹⁵

ANTENNA ACCESSORIES

Premium Low-Loss RG6-U Cable

All Grove RG-6 /U coaxial cable is 100% shielded, providing low loss (see description below). It comes with easy-to-adapt F connectors on both ends, fitting our wide range of adaptors.

Have you had trouble finding the right coaxial adaptors for linking your antenna and receiver? We can help! Simply tell us what adaptors you need, or what antenna and radio you will be using. We will provide you with a cable which is ready to attach between your antenna and receiver! 25, 50 & 100 ft. length, comes with 2 adaptors at no extra charge (specify from list above when placing order)

Cable Loss Per 100 ft.: 1.6 dB @ 50 MHz; 2.6 dB @ 170 MHz; 4.6 dB @ 450 MHz.

FREE SHIPPING in the US if ordered with antenna!

ADAPTORS:

ADP01 RCA Female to BNC male adapter \$2.99
ADP02 F Female to PL259 "UHF" Male adapter \$3.99
ADP03 F Female to N Male adapter \$3.99
ADP04 BNC Female to N Male adapter \$3.99
ADP05 F Female to Male 1/8" Mini adapter \$2.99
ADP07 UHF Female to F male adapter \$2.99
ADP09 F Female to BNC Male adapter \$2.99
ADP13 BNC Right Angle adapter \$2.99
ADP17 BNC Female to F Male adapter \$2.99

CBL25 25' F to F RG6U cable \$14.95
CBL50 50' of low-loss RG6-U cable \$19.95
CBL100 100' of low-loss RG6-U Cable \$24.95

ADP25 RCA Female to 3.5mm Male adapter \$2.99
ADP26 F Female to F Female Barrel adapter (qty 2) \$1.99
ADP32 RCA Female to PL259 "UHF" Male adapter \$2.99
ADP33 BNC Female to SMA Male adapter \$3.99
CBL04 3' cable, BNC to BNC \$4.95
CBL09 3' cable, F Male to F Male \$1.25
CBL11 3' cable, PL259 to PL259 \$4.99
CBL15 Through-window/door flat cable \$9.95

Orders for adaptors only will be shipped first class mail in US.

10 PIECE ADAPTER KIT

Every common type for scanners, shortwave portables, communications receivers, transceivers, and handy-talkies -- F, BNC, N, UHF(PL-259), and SMA! Interconnect for unusual combinations!

ADP02 (2), ADP03, ADP04, ADP05, ADP07, ADP09 (2), ADP17, ADP33

Order ADPKIT - Our Price: \$29⁹⁵

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Variable Attenuator

Adjust this attenuator in your antenna line to reduce nearby strong-signal interference on. Reduces all signals from DC-1000 MHz from 0 to 20 dB! Two F connectors provide convenient coax attachment

Order ATT01 - Our Price: \$19⁹⁵

Lightning Arrestor/Surge Protector

While nothing can withstand a direct lightning hit, the Grove LAR-1 connects between your antenna cable and radio to prevent induced voltages from nearby lightning strokes, high powered transmitters and other massive energy surges from burning out your equipment (will not prevent AC power line surges).

Not a flimsy spark gap or simple diode shunt, the Grove LAR-1 uses state-of-the-art gas discharge technology, proven in government tests to be the best deterrent against lightning and electromagnetic pulse (EMP) surges.

Responds in one ten-millionth of a second to short-circuit bursts of 250,000 volts and currents of 5000 amps, while allowing normal signal voltages (and even control voltages up to 50 volts AC or DC) to pass undisturbed! Extremely low signal loss-0.2 dB at 1500 MHz! Ideal for protecting scanners, shortwave receivers, CB and ham equipment, VCR's, satellite systems, and more. May be used with transmitters up to 100 watts.

The tiny protector measures only 3/4"D x 1 1/2"L and comes equipped with standard F connectors.

Select an adaptor from the list below **{no extra charge}** to accommodate your receiver or scanner.

ADP02 - F Female to PL259 "UHF" Male adapter

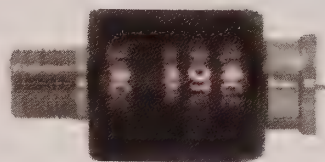
ADP09 - F Female to BNC Male adapter

ADP03 - F Female to N Male adapter

ADP17 - BNC Female to F Male adapter

ADP05 - F Female to Male 1/8" Mini adapter

ADP07 - UHF Female to F male adaptor



Order LAR1F - Our Price: \$19⁹⁵



Scanner Antenna Splitter

Now you can run two receivers or scanners from one antenna with full 1-1000 MHz frequency coverage! This antenna splitter comes with two three-foot cables for your side-by-side scanners and adaptors for F and BNC connectors.

Order SPL02 - Our Price: \$29⁹⁵

DC-2 GHZ ANTENNA SWITCH

Now you can select between two antennas for your receiver, scanner, or low-power transceiver—or you may choose either of two radios to connect to your antenna!

This high-quality, die-cast, waveguide construction assures low-loss performance up through at least 2 GHz (2000 MHz)!

Comes with two 3' cables, your choice of 3 connectors listed below (specify when placing order), 2 mounting screws and two-sided tape.

ADP02 - F Female to PL259 "UHF" Male adapter

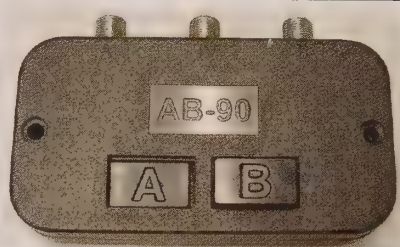
ADP07 - UHF Female to F male adaptor

ADP03 - F Female to N Male adapter

ADP09 - F Female to BNC Male adapter

ADP05 - F Female to Male 1/8" Mini adapter

ADP17 - BNC Female to F Male adapter



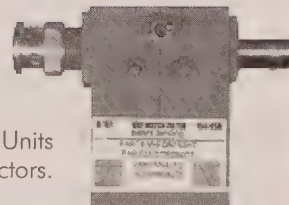
Order SWC01

Our Price: \$19⁹⁵

TUNERS, PREAMPS & MULTICOUPLERS

Par Intermod Filters

Now you can restore quiet monitoring on your scanner or VHF/UHF transceiver, drastically reducing that incessant "bleep bleep" interference from local paging transmitters! Simply specify whether the interference is from a 152, 158, or 462 MHz pager, and we'll send you a unit that knocks down that interference by 35 dB! Units may be cascaded for additional interference reduction. Equipped with BNC connectors. Filters are drop-shipped from manufacturer.



FTR152DS

FTR158DS

FTR462DS

FTR-FMDS

FTR-162DS

\$69⁹⁵

\$69⁹⁵

\$69⁹⁵

\$69⁹⁵

\$69⁹⁵

152MHz

158MHz

462MHz

88-108MHz

162MHz NOAA Weather

*** DS suffix on product code means item is drop shipped from manufacturer. Please allow 10-14 days for delivery.**

7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200

fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com

Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

PAR HIGH/LOW PASS FILTERS

The BCST-HPF is a 7th order elliptic high pass filter designed to severely attenuate AM broadcast stations below 1700 KHz. The elliptic topology yields a very fast transition from band pass to band stop region.

The BCST-LPF is a 5th order elliptic filter designed to eliminate AM broadcast from interfering with LF and VLF listening. The elliptic topology yields a very fast transition from band pass to band stop region.

The BCST-HPF/LPF has a 50 Ohm design impedance, so if your antenna is a random wire, we suggest a 9:1 or 10:1 transformer be inserted between the random wire and the filter. In addition, grounding at the filter end can be very important to filter efficacy.

The filter is housed in a heavy wall die cast aluminum enclosure. Connectors are silver/Teflon® SO239. A miniature toggle switch allows the user to instantly switch the filter in and out of line.



Order FTRLPFDS

Our Price: \$69⁹⁵

Order FTRHPFDS

Our Price: \$69⁹⁵

Ramsey Wide-Band Preamplifier

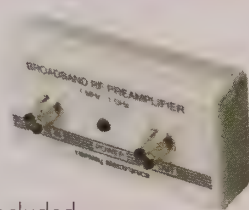
If your scanner reception needs a little boost, this is the preamp to do it! Providing high gain at low noise, and operating continuously over 1 GHZ of spectrum, this signal booster can really make a difference in weak signal areas! Equipped with BNC connectors, no adjustment is necessary; just plug your antenna cable into the preamp, and run the 3' BNC/BNC cable (provided by Grove at no extra charge) to the antenna connector on your scanner—that's it! A 120 VAC/12 VDC wall adaptor is included at no extra charge!

SPECIFICATIONS:

Frequency Range: 1-1000 MHz

Average Gain: 23 dB @ 1-450 MHz, 15 dB @ 450-1000 MHz

Power Required: 10-12 V AC or DC @ 50-75 mA; 120 VAC adaptor included

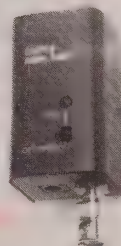


Order PRE02

Our Price: \$59⁹⁵

GRE Super Amplifier *Boost the range of your hand-held scanner.*

The GRE Super Amplifier has 20-dB (adjustable) gain from 100-1000 MHz. BNC connectors allow the unit to be mounted between the scanner and the antenna; a bypass switch permits the unit to be disabled without having to remove it. A 9-volt battery (not supplied) will provide up to 24 hours of continuous operation; a convenient external power jack permits the unit to be used continuously from a 9 V DC wall adaptor (not supplied).



Order PRE01 - Our Price: \$59⁹⁵

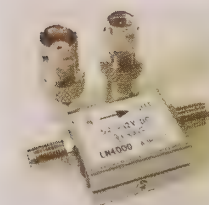
AOR LN4000 Low-Noise VHF/UHF Preamplifier

For the discriminating scanner user who needs the best possible weak-signal amplification without amplifying the noise as well, this tiny (1" square) preamp is the answer!

The LN4000 offers 20 dB (typical) signal amplification from 100-4000 MHz (-3 dB), at a low noise figure of only 4.5 dB. It is powered by any convenient 5 to 12 VDC, 30 mA (typical), center pin positive, power supply (available as an accessory).

Includes 10' coaxial receiver/scanner interconnect cable with SMA connectors and BNC adaptors. A 10' power supply cable with DC connector is also provided for remote mounting.

NOTE: Antenna preamplifiers increase the strength of strong signals as well as weak. If you experience strong-signal overload, a filter for the offending frequencies is recommended.



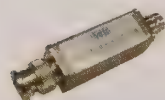
Suggested Accessory:

PWR24 AOR AA8000 120 VAC Adaptor \$25.00

Order PRE04 - Our Price: \$189⁹⁵

AOR ABF128 INLINE AIRBAND PASS FILTER W/BNC

The ABF128 is a receive (only) bandpass filter especially designed to improve strong signal handling characteristics of receivers for VHF commercial Airband listening. The AFB128 is suitable not only for AOR receivers, but also for most airband and wideband receivers on the market. The addition of ABF128 will provide additional selectivity, and allow the receiver's circuitry to cope much more easily with strong interfering signals such as Band-2 Stereo or Shortwave broadcast transmissions.



Order FTR07 - Our Price: \$69⁹⁵

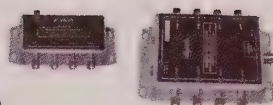
7540 Highway 64 West Brasstown, NC 28902 (800) 438-8155 (828) 837-9200

fax: (828) 837-2216 email: order@grove-ent.com web: www.grove-ent.com

Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

Stridsberg Multicouplers

2-8 ports, 100kHz-1GHz, active and passive.



Operate multiple receivers or scanners from one antenna; amplified (active) and passive models. Designed for rigid military, government, and commercial monitoring and surveillance applications requiring high intermod rejection, low noise. Die-cast aluminum cases (4-3/8"L x 2-3/8"W x 1-1/4"H) EMI/RFI shielded and fitted with BNC connectors. 120VAC / 12VDC power supplies included with active models. Five-year warranty; (DS=drop-shipped directly to you from the manufacturer.)

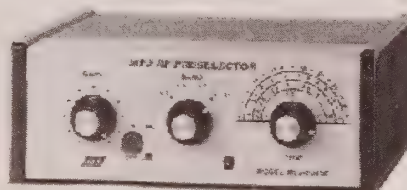
CPL06 - 2 port passive, 100kHz-500MHz.....	\$69.95	CPL03 - 4 port active, 25MHz-1GHz.....	\$184.95
CPL08 - 2 port passive, 10MHz-1GHz.....	\$69.95	CPL01 - 4 port active, 100kHz-50MHz.....	\$184.95
CPL07 - 4 port passive, 100kHz-500MHz.....	\$94.95	CPL02 - 8 port active, 100kHz-50MHz.....	\$334.95
CPL09 - 4 port passive, 10MHz-1GHz.....	\$94.95	CPL04 - 8 port active, 25MHz-1GHz.....	\$334.95

"I received the Austin Condor hand held antenna for my scanner two days after ordering - not counting Christmas day. Your service is exceptional. Thank you again."

Sincerely,
Mike M

MFJ 1045C Preselector - 1.8-54 MHz

Boost weak signals and reject out-of-band interference and images from 1.8-54 MHz. Boost weak signals up to 20 dB with low-noise, dual-gate MOSFET and bipolar transistors. Choose between two antennas and two receivers from the front panel. Powered by any 9-18 VDC supply.



Suggested Accessories:

PWR04 - MFJ 1312D AC Adaptor	\$14.95
CBL11 - Cable with PL259 on both ends	\$4.99

TUN01 - Our Price: \$82⁹⁵

SPEAKERS & RECORDERS

Workman Model 712 Noise Cancelling Mobile Speaker

Whether your mobile listening needs are for scanner, shortwave, ham radio, CB, or professional two-way communications, this mobile accessory speaker will improve audio reception. A simple push of the button reduces pulse ignition noise and background hiss. Enjoy improved audio with the rugged, 4-inch, 10-watt-rated speaker. Mount the adjustable, steel bracket to your vehicle, plug the 10-foot cord into the 1/8" (3.5 mm) external speaker jack on your radio, and you're ready to go!

Power Rating: 10 watts
Impedance: 8 ohms.



SPK07 - Our Price: \$8⁹⁵

GAP "HEAR IT" DSP SPEAKER

This compact speaker system utilizes powerful digital signal processing (DSP) to suppress annoying background hiss and static, revealing crisp, clean audio for shortwave reception, scanner monitoring, ham radio transceivers, CB installations, maritime mobile, noisy recordings, and other sources of crackly, hiss-ridden audio. Unlike competitive models which produce harsh, distorted audio with distracting DSP artifacts, the "Hear It" reveals up to 2-1/2 watts of clean, undistorted sound. Controls are provided for volume and DSP level.

Measuring a mere 4-1/3"W x 2-1/2" H x 2-1/2"D and weighing only 7 ounces, The "Hear It" is designed to be used in compact mobile installations and includes a mounting bracket, 8' input cord with 1/8" (3.5 mm.) mini plug, a fused DC power cord, and an instruction booklet. The unit's standard 2.1 mm. power jack will accept 12-28 VDC at approximately 500 mA, making it universally applicable to fixed, mobile, and even aeronautical configurations. The small internal speaker is ideally suited to voice frequencies; for more demanding sound requirements, an external speaker or headphones may be plugged into the 1/8" jack provided.



SPK05 - Our Price: \$168⁹⁵

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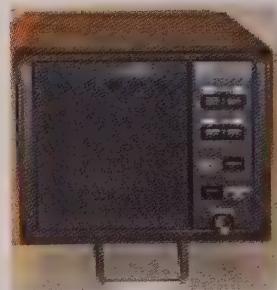
ICOM SP-23 Noise-Reducing Speaker

This passive (**no power required**) external speaker offers four high- and low-pass pushbutton selections to improve audio quality on any receiver, transceiver or scanner. Reduces shrillness or high-pitched heterodyne interference as well as boominess on audio signals. Contour recovered audio for best reception.

SPECIFICATIONS: Dimensions: 5-3/4"W x 4-1/4"H x 11"D, Weight: 3.6 pounds, Frequency response: 200 Hz – 10 kHz flat, Low-frequency roll-offs: 250 Hz and 500 Hz, High-frequency roll-offs: 1 kHz and 3 kHz, Inputs: Two pushbutton-selectable 1/8" (3.5 mm) mono jacks, 8 ohms nominal impedance, Output: 4 watts at 8 ohms (nom.), Headphone jack: 1/4" monaural, front panel, Speaker: 3" internal

ACCESSORIES SUPPLIED: 1/8" – 1/8" mono interconnect cable, Operating instructions

SPK08 - Our Price: \$194⁹⁵

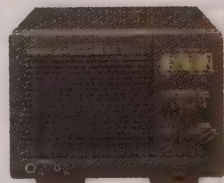


YAESU SP-8 Communications Speaker

This handsome external speaker is ideal for improving sound from shortwave receivers and scanners. Housed in a professional metal cabinet with gray wrinkle finish, the 5 inch speaker handles up to 3 watts of receiver audio at 8 ohms. A front-panel mode switch allows selection of SSB, CW, manual adjust, or mute. The listener may custom-adjust his listening with multi-position switches for treble and bass.

Push-button selection from either of two RCA phono-jack inputs permits choice of audio source (cable included), and both a quarter-inch and 1/8 inch (3.5 mm) headphone jacks are front-panel accessible.

SPK04 - Our Price: \$174⁹⁵



C Crane Long-Play Versacorder

Now you can listen to your favorite shortwave, talk radio, music broadcast, scanner activity, anytime you want by pre-recording the transmissions—at normal tape speeds or up to four hours on one side of a standard 120 minute cassette (a tape and tri-plug patch cord are provided)!

Excellent as well for preserving conferences with its built-in microphone, and for recording important telephone conversations with an optional patch cord (a beep tone can be activated to remind other telephone callers that a recording is being made).

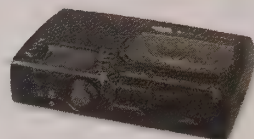
A six-event timer allows you to automatically turn the recorder on at a pre-arranged time and day. You can use the voice activation to economize tape during periods of audio inactivity, or even remote- or manually activate the recorder. The large internal speaker provides quality sound at high playback levels.

Runs on (4) optional "C" batteries or the included AC adapter.

Weight: 2 lbs. 6 ozs. Size: 10" W x 2.625" H x 6.5" D.

Made by Sangean.

REC01 - Our Price: \$99⁹⁵



With the optional Telephone Patch Cord, you can record directly from the telephone.
CBL10 Versacoder Phone Patch Cord..... \$9.95



TEST EQUIPMENT & POWER SUPPLIES

WiNRADiO EMR Detector

This tiny, pocket accessory is ideal for detecting the presence of radio and electric fields in your proximity. With a continuous frequency response from 50 Hz to above 1 GHz, and an average sensitivity of 25 uV/cm, this new EMR Detector from WiNRADiO is a very handy gadget!

Order TST06 - Our Price: \$49⁹⁵

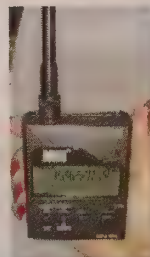


MFJ 886 Frequency Counter

The shirt-pocket MFJ-886 offers 1 MHz-3 GHz frequency range, a 100 MHz sensitivity of 0.8 mV and readout to 0.1 Hz, all from a large (3/4"H), 10-digit LCD!

A sensitive bargraph signal strength meter, an accurate 1 ppm time base which can be calibrated externally, rechargeable batteries (included, up to six hours operation), are all part of this rugged, anodized-aluminum-encased pocket instrument which measures only 2-3/4"W x 3-1/4"H x 1-1/4"D, and comes with an AC adaptor/re-charger and telescoping BNC whip antenna at no extra cost!

Order TST07 - Our Price: \$114⁹⁵



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MFJ-269 HF/VHF/UHF SWR ANALYZER

Analyzer covers 1.8 to 170 MHz and 415 to 470 MHz / Built-in calculator shows coax line length in feet and electrical degrees for any frequency and velocity factor; useful for building matching sections and phasing lines / Determine velocity factor, coax loss in dB, length of coax and distance to short or open in feet / Read SWR, return loss and reflection coefficient simultaneously on 10-600+ ohm transmission lines; also shows match efficiency.

Order ACC69 - Our Price: \$349⁹⁵



ZAP ZC-185 Electric Field Meter

There are quite a few pocket testers for electromagnetic energy, but this one actually has the look and feel of a professional test instrument.

Designed to detect electromagnetic emanations from a large number of sources (microwave ovens, hidden transmitters, computer equipment, wireless phones, amateur and commercial two-way radios, etc.), the ZAP 185 boasts a wide frequency coverage of 3-5000 MHz (5 GHz).

For invisible applications, the unit can be kept in a pocket and a vibrator-alert mode can be selected to notify the user of a nearby transmitting device.

Weak signals are clearly detected at a respectable distance using the linear scale, while snapping the mode switch to a logarithmic scale prepare detection of much stronger signals. A large meter provides the capability of comparing relative signal levels as well as signal locating.

The ZAP 185 operates for up to 80 hours from a pair of AA alkaline cells (not included).

Order TST18 - Our Price: \$149⁹⁵



Zap Checker ZC 190B

ZAP CHECKER products are ultra-sensitive instruments that detect and display Radio Frequency (RF) signals over a broad span of frequencies. They are a new generation of RF measurement tools that employ recently introduced IC technology to measure from very weak to ultra strong signals and differentiate analog from digital communications. They are ideal for wireless installations, detection of covert devices, and detecting and locating undesirable signal sources such as interfering transmissions, RFI, noise and leakage.

All Zap Checker models are easy to use, small, handheld products with internal fixed antennas which require no adjustments. All models employ linear (regular) as well as logarithmic (compressed) amplification and detection. Each model has an analog meter and LED display. (The LED displays are visible from a distance and at night time.)

Most Zap Checkers have an audio output to hear signal strength levels and identify sources by their characteristic sounds. Some products have a switch enabled silent vibrator.

Order DS-ZC190B - Our Price: \$359⁹⁵

Zap Model ZC-300

The ZC 300 is a radio frequency field strength tester with the ability to detect very weak signals (down to ambient levels of radiation that exist around us. The ambient radiation level is usually due to local FM and TV broadcasts.) The ZC 300 detects signals spanning the microwave, UHF, VHF and high frequency spectrum, covering a 1 MHz to 8+ GHz bandwidth. This includes 5.8, 5.2, 4.5, 3.5, 2.4 and 1.2 GHz covert cameras and bugs, 2.4, 1.8, and 0.9 GHz cell phones and wireless phones; 300-400 MHz walkie-talkies, car keys and garage door openers; 70-150 MHz FM transmission; 49 MHz bugs and even 27 MHz citizen-band transmissions. Detection at 2.4 GHz is so sensitive, it will detect an operating "sealed" microwave oven at 12 meters away and pick-up 2.4 GHz transmitting bugs at 8 meters distance.

The unique feature of the Zap Checker 300 is the ability to use special antennas and band pass filters through a SMA coaxial input connector. Depending upon the frequency and directionality of the externally connected antenna, the ZC 300 becomes a highly directional frequency-specific instrument which is ideal for counter-surveillance detection and for aligning transmitter/receiver antennas over far distances.

The 1.8 - 6.4 GHz Log-Periodic Antenna available with the ZC 300 boosts the sensitivity by 3 times. It also narrows the directional detection characteristics of the ZC 300 to a longer, thinner scan pattern directed along the long axis of the antenna. With prior instrumentation it was necessary to "sweep" a room by moving the detection device from 30 to 70 cm away from the walls, ceiling and floor in a raster scanning mode, similar to the travel of an electron-beam in a television CRT. That is time consuming and back-straining work! Using the Zap Checker 300 with antenna, the covert device can be initially detected from 8+ meters away. That is outside the room or at the door. Then, from the door itself, the walls, ceiling and floor can be scanned by pointing the directional antenna and hand-sweeping the room. Now we can "SWEEP THE ROOM FROM THE DOOR", detecting the direction of the covert transmitter from a distance.

Order DS-ZC300 - Our Price: \$549⁹⁵



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Jetstream JTPS30M power supply

- Adjustable 9-16 VDC
- 30 Amp Surge / 25 Amp Continuous
- Internally switchable AC input voltage, 110 or 220 Vac
- Over voltage protection and over current protection
- High current jacks on the back, quick connectors on the front for low current accessories
- Lighter plug on the front
- Light Weight, only 5 lbs!
- Compact, only 7.5" x 2.75" x 7"



Order DS-JTPS30M - Our Price: \$109⁹⁵

Mastech MS8209 Multimeter

Ideal for gardening, environmental monitoring, and test bench functions. Applications include rare plant growing, photography, filming, video taping, OSHA measurements, auditorium acoustics control, classroom design, church sound systems and performance halls for acoustics control.

The multimeter's rugged, rubberized enclosure resists splashing and provides durability. A rear-hinged prop can stand the meter for convenient viewing. A backlight allows the unit to be clearly read in low light conditions.

A high-quality, zippered, nylon bag is provided, containing pockets to securely hold the meter—battery included-- and rubberized test leads.



Order TST01 - Our Price: \$89⁹⁵

AOR AR-STV

The AR-STV is a wireless camera receiver designed to detect wireless video surveillance cameras. With its 2.5 inch color LCD display, still picture recorder and sensor that captures video signals in real-time, the AR-STV is a valuable addition to any security operation. Its built-in clock allows images to be time stamped and an optional 4 GB SD memory card can be used to store up to nearly 2000 images.



- Receives and displays analog video signals on L-band (1.2 GHz) or S-band (2.4 GHz)
- 2.5 inch color LCD display
- Still picture recorder
- Can be set for continuous search between 900 ~ 2800 MHz.
- Detects NTSC, PAL, CCIR, EIA or scrambled (reverse polarity) video signals
- Captures video signals in real-time
- Built-in clock
- Captured images can be time-stamped
- USB connector makes it easy to download stored images into a computer
- Easy to operate
- Powered by four AA size batteries or external DC power
- NiMH batteries, belt clip and battery charger included
- Rubber duck antenna
- Optional 4 GB SD memory card can store nearly 2000 images

Features

- 900MHz ~ 2800MHz
- 10 search banks
- Detect NTSC, PAL, CCIR, EIA or scrambled reverse polarity video signals
- 2.5 inch color LCD display
- Built-in clock for time stamp
- Store up to nearly 2000 images with an optional memory card
- Receives and displays analog video signals on L-band (1.2 GHz) or S-band (2.4GHz)
- USB connector makes it easy to transfer stored images to a computer
- Easy menu-driven operation
- Low battery indicator
- Battery or external DC power output. An external video monitor may be connected using this port)
- DC 6V (External power input connector allows connection with a 6V DC charger to recharge the internal Ni-MH cells. Note: center pin of jack is positive.)
- SD (SD memory card slot to insert optional SD memory card up to 4 GB)
- ALM OUT (Alarm output connector allow connection of external alarm device)

Order TST21 - Our Price: \$869⁹⁵

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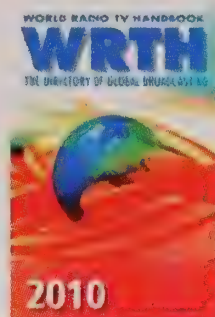
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BOOKS

World Radio TV Handbook, 2011 Edition

This information packed reference for professional monitoring stations and serious short-wave listeners bulges with station information, staff listings, contact information, worldwide mediumwave and shortwave frequencies, and schedules for programs in all languages.



Available December 2010

BOK03-11 - \$29⁹⁵

SOFTWARE

Grove's Frequency Master

THIS INFORMATION-PACKED CD LISTS MILITARY, FEDERAL AND SHORTWAVE SERVICES BY THE THOUSANDS! Search by frequency, location, call sign, agency or other key words, all in convenient PDF!

Military: NORAD, CAP, aerial refueling, National Guard, FAA control centers, VHF/UHF military aircraft and base trunking systems, Navy Fleet Control, training ranges, tactical satellite links, DOD worldwide air/ground frequencies, overseas bases, and more.

Shortwave: Worldwide airlines, maritime and coastal station networks, US Coast Guard, domestic and foreign international broadcasting, navigational beacons; diplomatic and government worldwide, press HF links, spy numbers transmissions, amateur and CB band plans, Air Force, Army and Navy networks globally, business, scientific, and private communications, long wave beacons, Travelers Information Stations and more.

Federal: From 2-420 MHz, this is the largest and most accurate listing available outside classified government files. Air Force, Navy, Coast Guard, Army, NASA, U.S. Marshals, United Nations, Customs, White House Communications, FBI, Border Patrol, IRS, Secret Service, FAA, National Strike Force, DEA, Post Office, TVA, U.S. Capitol Police, Social Security, NSA, Forest Service, FEMA, Indian Affairs, and dozens of other agencies.

Additional chapters describe federal radio systems, frequency assignment procedures, and a comprehensive by-agency table of HF (2-30 MHz) nationwide frequencies. A glossary of agency abbreviations is included.

SPECIAL BONUS! The comprehensive National Telecommunications and Information Agency (NTIA) Manual of Regulations and Procedures for Radio Frequency Management, as well as the NTIA color chart of the electromagnetic spectrum (3 kHz-300GHz)!

Compiled in 2004.

Order SFT35 - Our Price: \$29⁹⁵

Grove Radio/Television Broadcast Directory on CD-Rom

This 750-page, PDF directory of broadcasting stations in North, Central and South America, all on one CD-ROM, is authored by Monitoring Times assistant editor Larry Van Horn includes Adobe Acrobat, allowing search by frequency, call sign, location or any combination of key word(s).

Shown are the AM broadcasters for North, Central and South America as well as FM and TV-VHF and UHF listings for the U.S., Canada and Mexico. Listings include frequency, call sign, antenna configuration, location, power output for time of day/night, service designators, and station class listings and license status. A handy reference section lists informative Internet sites for radio clubs and additional station information.

Order SFT22 - Our Price: \$19⁹⁵

Radioreference Database on CD-ROM

This new database is a massive compendium of scanner-related frequencies and associated information across the U.S. (and even some selected listings from Canada and Mexico!). The database is extremely user friendly and self loading. Simply select your state or click on an area to download the information for your listening area.

Records are searchable by frequency, state, city/county, zip code, or trunking system. Data are arranged by geography, and include state/county/local government, airports, federal government, military aircraft, law enforcement, prisons, transportation, port operations, EMS, medevac, utilities, railroads, and even major businesses and malls.

Files include frequency (including input/output repeater pairs), call sign, licensee, use, mode, base/mobile ID, and even squelch tones. Trunking systems include talk groups with locations and frequencies as well as dec/hex numbers, alpha tags and other useful information to fully program your scanner.



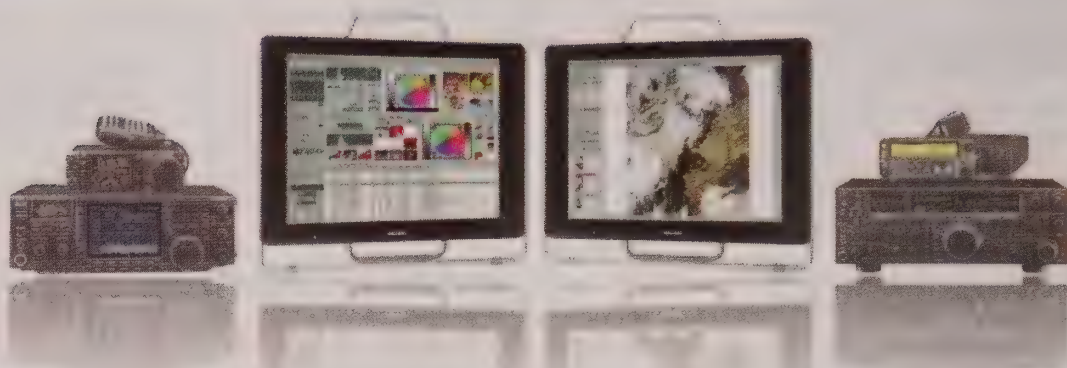
Order SFT52 - Our Price: \$29⁹⁵

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RADIOCOM 6.0 Premium Control/Decoding Software



RadioCom 6.0 is a new leap forward after the successful predecessor RadioCom 5. It is able to control several radios and significantly improve sound quality. RadioCom6 transmits and receives data (SSTV, PSK31, RTTY, Weather fax, Synop, Navtex, CW and more) and from the Internet www.meteoserver.net (world wide satellite pictures) in one program. Two Radios can be connected simultaneously to 1 sound card only. You can run and operate several decoders at the same time. The Digital Sound-Processor (DSP) of the sound card is used. That is why the quality is better than anything compatible. The moment RadioCom starts, some of the foremost changes are in plain view: it is distinctive and eye-catching. Colors are subtler and the overall looks are just magnificent, never seen before.

For efficient operation the work area should be as large as possible. With RadioCom 6 you will be able to conveniently adapt the user surface to your liking. You can even spread it across several monitors. For example, you can display two Radio Controls on one screen and decoders and analyzers on another. Using the integrated "color management" the window colors of the user interface can be set as well. This can improve the visibility extremely if you operate for example in the night/evening.

Dual Radio Control with RadioCom 6 is now able to control two radios simultaneously. The supplied Bonito Switchbox features radio control for more than 100 radios without the need for additional hardware since the switchbox includes level converters for ICOM, YAESU, Kenwood, TenTec, and others. New USB-controlled radios are also supported of course. The Frequency Slider and the possibility to use the mouse wheel for tuning signals significantly increases user comfort. This is also true for the completely new flexible user surface.

Order SFT48 - Our Price: \$249⁹⁵

RADIOCOM 4.52 Universal Control/Decoding Software



FEATURES: decoding of digital and analog signals from a radio. In addition, it significantly improves the sound quality in a way that was previously reserved to DSP-receivers. An audio cable delivers the signal directly via the soundcard into the computer. The radio can also be controlled via the COM-port. The received signal is filtered and made audible through the computer speaker.

RadioCom 4.52 contains Radio Control, Equalizer-Filter-Analyzer, Audio Recorder, RTTY-, CW-, WFA-, SatFax, SSTV-, PSK- and Time Signal Decoding, Frequency- and Schedule-Manager, as well as Sat Tracking. There is also a Frequency Scanner and Result Viewer to view images and text of the received signal. Additionally, RadioCom uses a download service for program resources and satellite images.

This means: You have EVERYTHING in one program and don't have to contemplate which software may be necessary for which operating mode. The supplied Bonito switchbox allows you to control the radio without the need for additional, expensive hardware.

Order SFT49 - Our Price: \$129⁹⁵

RadioCom 4.52PRC, for ICOM R/PCR1500/2500 only

Order SFT50 - Our Price: \$149⁹⁵

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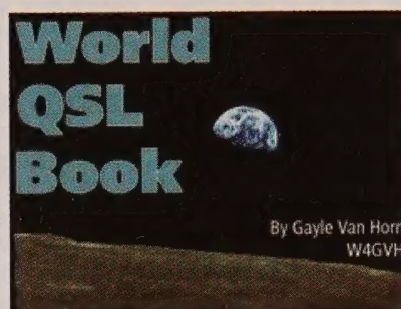
Technical Questions? (828) 837-9200 or tech@grove-ent.com. Due to high call volume, technical calls will be limited to 3 minutes.

WORLD QSL BOOK by Gayle Van Horn on CD-Rom

Shortwave listeners now have a single, exhaustive CD source to identify the call signs and IDs heard in the busy 2-30 MHz global spectrum. More than 500 pages cover every aspect of collecting QSL cards and other acknowledgments from stations heard in the HF spectrum. Guidance on collecting, displaying and preserving QSLs is included.

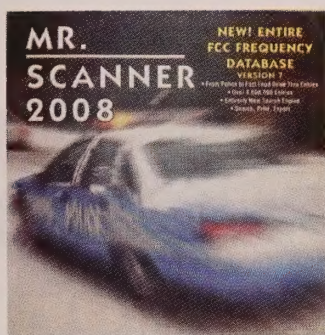
This self-loading, easy-to-use reference begins with a comprehensive tutorial on how to submit a verification report generally as well as specific details and addresses for querying international broadcasters. Successive chapters cover hams and utilities like military and Coast Guard, clandestine and pirate broadcasters, shipping and cruising industries.

A list of call signs for major communications users makes IDing simple, and a quick-check reference page features a handy table of frequency allocations for the shortwave spectrum.



Order SFT41 - Our Price: \$19⁹⁵

MR. SCANNER FCC DATABASE - Latest Version!



This information-packed CD features official FCC records of licensees by state in the 25-1300 MHz range. Includes police, fire, ambulance, hospital, railroads, business, airports, AM/FM/TV broadcasting, armored express, paging, press, public transportation, common carrier, microwave relay, and public utilities. Trunk-Tracker IDs and ten codes are also listed. Data fields which may be searched independently include frequency, city, county, call sign, and service code; includes latitude and longitude as well. Export your records by ASCII or DBase. System requirements: Pentium 133 or faster, Works best with Windows 2000 or higher, 128 meg minimum memory, 4x or faster CD-Rom drive

Order SFT10 - Our Price: \$23⁹⁵

"ASK BOB" Anthology

For more than two decades, Bob Grove's popular "Ask Bob" monthly column has been a favorite among Monitoring Times readers. Now you can enjoy reading hundreds of the most informative questions and answers submitted by readers over the years, specially chosen for this edition based upon timeliness, general appeal and importance.

Whether your interests are in antennas, scanners, shortwave, basic theory, or all these and more, this is one fascinating and informative CD you won't want to stop reading!

The Ask Bob CD contains 5 videos explaining the basics of Selectivity, Trunking, Repeaters, Dynamic Range and AC Adaptors. These videos feature Bob Grove, owner of Grove Enterprises, and Publisher of Monitoring Times magazine. System requirements to run the videos are: Pentium 400 or higher processor, 8mb video card, CD-ROM or DVD-ROM drive.

Order SFT09 - Our Price: \$14⁹⁵

International Callsign Handbook, 2nd Edition

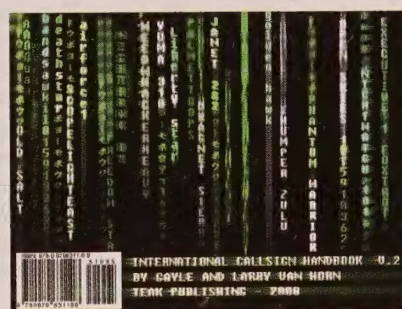
After over a decade absence, radio monitors once again have a single, exhaustive publication to help them identify radio signals on the various radio bands.

This new CD-ROM ebook from Teak Publications, has been expanded from the print first edition and covers various callsigns and other types of radio transmission IDs used throughout the HF, VHF and UHF radio bands.

This giant 1,100 page plus callsign reference uses the Adobe Acrobat platform. All text is fully searchable and can be printed by the user.

The ten chapters in this book cover various identification types including internationally assigned callsigns (including ships), airline calls, ship and coastal maritime mobile service identification (MMSI) numbers, ALE addresses, selected aircraft selcalls, selected ICAO24 aircraft codes, and introductory material. The single largest chapter of this book has an extensive listing of tactical call words and IDs used by civilian, military, and government agencies.

This is a self-loading, easy-to-use CD-ROM ebook, and it is a must have for the active HF or scanner radio enthusiast.



Order SFT51 - Our Price: \$19⁹⁵

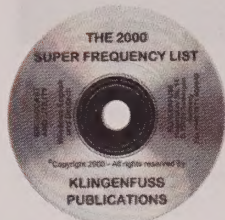
Klingenfuss 2011 Super Frequency List on CD-ROM

Broadcast database: Nearly 10,000 entries with the latest schedules of all clandestine, domestic and international broadcasting services on shortwave. Compiled by top experts in this field with the assistance of more than 100 experienced collaborators and monitors worldwide.

Utility database: Approximately 10,000 special frequencies from our international bestseller Guide to Utility Radio Stations, nearly 1000 abbreviations and 20,000 formerly active frequencies. Browse and search instantly for frequencies, countries, stations, languages, call signs, and times. And you also get the superb digital data decoding shareware program Radioraft by French radio amateur F6FLT, and 321 new WAVECOM digital data decoder color screenshots, including the Red Cross in Iraq and Afghanistan!

A powerful word search runs under Windows 3.1/95/98/2000/ME/NT/XP/Vista, and a full text search facility is included as well. For example, enter BBC, en, and the current time and you will immediately access a customized list of all BBC stations currently broadcasting in English language! Enter DRM to retrieve all stations broadcasting in the new Digital Radio Mondiale technology!

Whether you are an international radio listener, a businessman or a tourist traveling worldwide, a professional monitoring service, or a circumnavigator sailing around the globe: This is the way - just a few keystrokes and you have it all!



Order SFT26-11 - Our Price: \$34⁹⁵

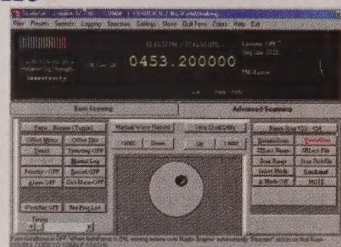
Scancat-Gold for Windows - Latest Version!

If you own more than one radio or purchase another in the future, you never need to buy another computer control program. ScanCat-Gold for Windows is not copy protected. Use on as many computers as you wish.

Included at no extra charge, SCANPORT, an all purpose conversion utility that will read your word-processor text files, and convert them into ScanCat frequency files. Scanport for Windows also has several utilities to automatically read several CD-ROMs, plus immediately use Betty Bearcat's DBASE export files without even converting. ScanCat Gold for windows will now let you Read and Scan directly, D-Base, Access and Btrieve files. No Conversion necessary with ScanCat you have a built in ability to use those "really big" databases.

Enter any one frequency and increment up-down from that point. Enter any two frequencies and scan between them with any increment and variable time delay or pause. Scan a file of frequencies, search by description or wildcards. Create Databases of freq. files. Sort by any field, and save to disk or printer. Link up to 100 personal "Preset" frequency bands for SW, aircraft etc. including increment and mode. The most popular presets are included in the program. Link up to 100 personal frequency FILES for SW, aircraft etc.

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SFT02W - \$99⁹⁵

The SE upgrade supports all Scancat Gold features, and adds:

- Hard-drive audio recording of user-selectable events with "point-and-shoot" selective playback
- Graphic-analysis module for examining long-term logging
- Scheduled receiver control
- Spectrum analyzer with 6 graphical methods (any 3 at a time)
- Waterfall display (Z-axis) over time with multicolor signal-spike differentiation
- Mouse-cursor selection of signal spikes for instant access
- Log signal strength, airtime, CTCSS tones (if radio supported)
- Plot, activate, and analyze other databases up to three screens at a time
- Analyze hits on a frequency by histogram of signals strength or number of hits
- Cascade up to 6 CI-V addressable radios at one time
- Master/slave interactivity for any ICOM or Opto-boarded PRO 2xxx scanner

(NOTE: Scancat-Gold for Windows 7.0 or greater, SFT-02W, required for SE Upgrade). Requires Windows 3.x or higher, 5 MB hard drive free, 16 MB RAM, VGA monitor

SFT02SE - \$59⁹⁵

SFT2W required

ScanCat Lite Plus for Windows

This Scancat program supports the memory programming for Radio Shack and Uniden Scanners and at a price that anyone can afford. While the regular Scancat-GOLD supports both memory programming and scanning from the PC, the new Scancat-Lite PLUS is targeted to those radio owners that need to program the radio's memories, but do not need the additional scanning control.

SFT19 - \$29⁹⁵

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It's simple. We won't pretend there aren't companies selling cheaper products, but we will guarantee you won't find any companies with a better record backing up your hard-earned money. When you buy from Grove, you're not just buying a product, you're buying our service, and there is **NO better deal** than that.

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